

Pantheon Report

Generated at 2018-07-18 12:57:58 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

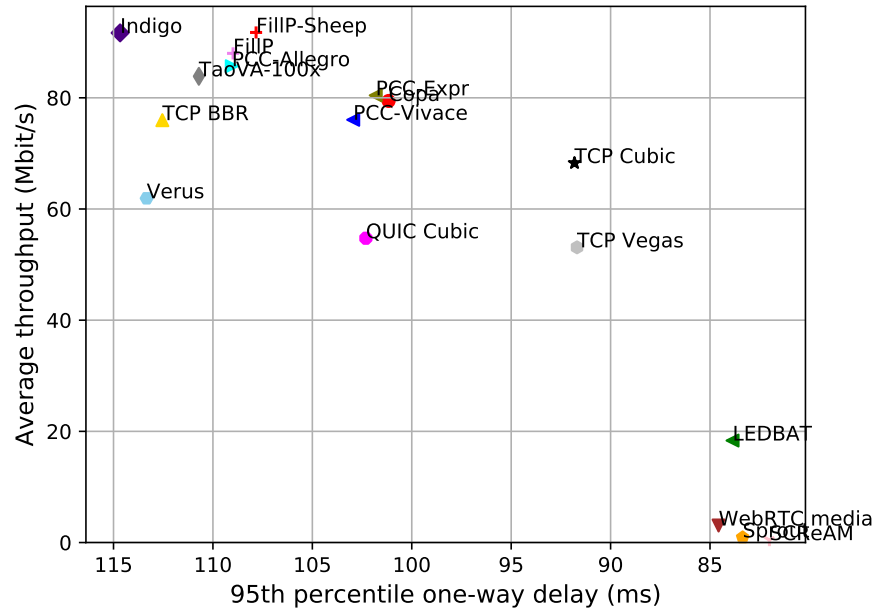
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

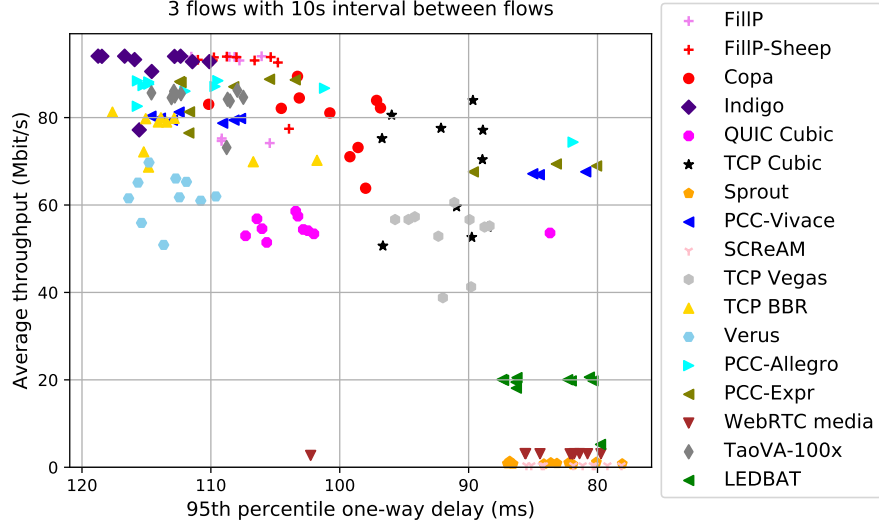
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Colombia to AWS Brazil 2, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Colombia to AWS Brazil 2, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	45.28	34.65	23.72	110.89	112.39	112.33	4.82	6.62	7.81
Copa	10	50.89	30.74	24.68	97.87	101.49	104.98	3.66	5.84	6.45
TCP Cubic	10	40.40	30.15	23.85	91.61	90.69	101.51	0.58	0.89	2.09
FillP	10	55.37	35.13	28.66	106.69	109.73	110.70	5.45	7.29	8.85
FillP-Sheep	10	56.52	38.39	29.77	106.11	108.48	110.24	2.80	3.38	4.37
Indigo	10	57.12	38.11	28.56	112.87	115.18	112.84	5.44	3.16	4.11
LEDBAT	10	12.05	7.66	3.86	83.82	84.08	83.03	1.07	1.50	3.61
PCC-Allegro	10	57.91	28.68	26.83	105.77	107.78	110.05	5.78	4.30	4.32
PCC-Expr	10	54.45	29.17	20.35	101.23	100.96	102.18	2.54	2.92	3.94
QUIC Cubic	10	31.79	23.77	21.93	99.43	101.73	110.48	0.75	1.23	2.27
SCReAM	10	0.22	0.22	0.22	81.34	80.85	81.09	0.51	0.82	1.73
Sprout	10	0.44	0.45	0.56	82.48	82.94	82.35	0.38	0.63	0.83
TaoVA-100x	10	50.02	36.76	28.64	109.84	110.61	110.34	1.46	2.27	3.88
TCP Vegas	10	30.64	24.24	19.37	89.90	93.06	104.55	0.55	0.95	2.03
Verus	10	34.85	27.77	26.48	110.25	112.96	114.68	1.88	2.27	3.31
PCC-Vivace	10	53.17	25.64	17.98	101.00	103.42	105.69	3.72	3.67	3.65
WebRTC media	10	1.71	0.99	0.38	84.42	82.71	84.12	0.33	0.66	1.48

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 09:03:38

End at: 2018-07-18 09:04:08

Local clock offset: -5.565 ms

Remote clock offset: 12.77 ms

Below is generated by plot.py at 2018-07-18 12:39:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.91 Mbit/s

95th percentile per-packet one-way delay: 106.708 ms

Loss rate: 12.15%

-- Flow 1:

Average throughput: 42.75 Mbit/s

95th percentile per-packet one-way delay: 102.451 ms

Loss rate: 10.87%

-- Flow 2:

Average throughput: 28.98 Mbit/s

95th percentile per-packet one-way delay: 112.828 ms

Loss rate: 14.23%

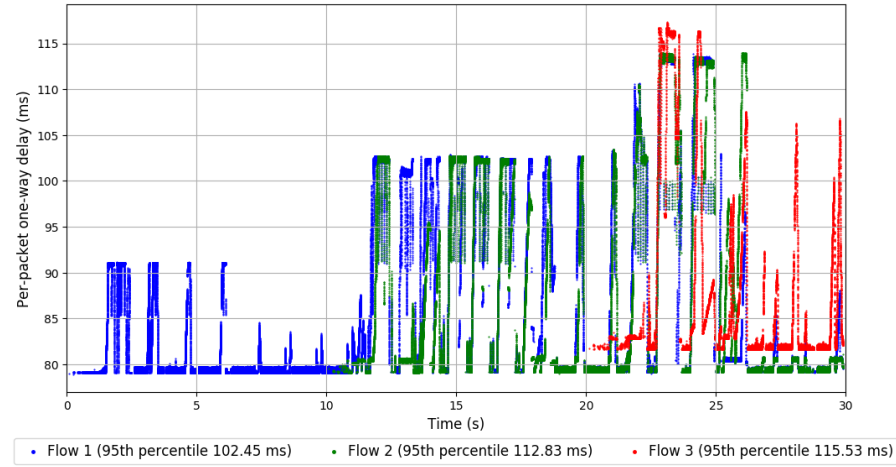
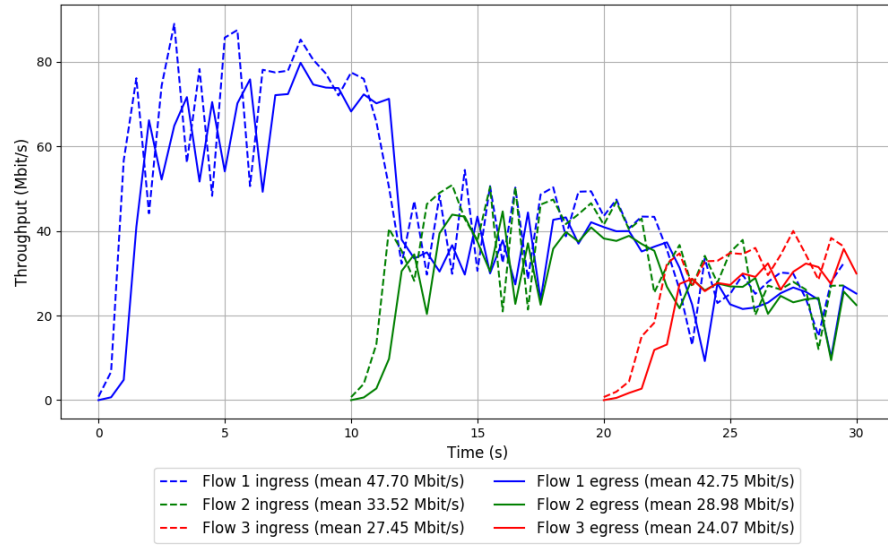
-- Flow 3:

Average throughput: 24.07 Mbit/s

95th percentile per-packet one-way delay: 115.525 ms

Loss rate: 13.77%

Run 1: Report of TCP BBR — Data Link

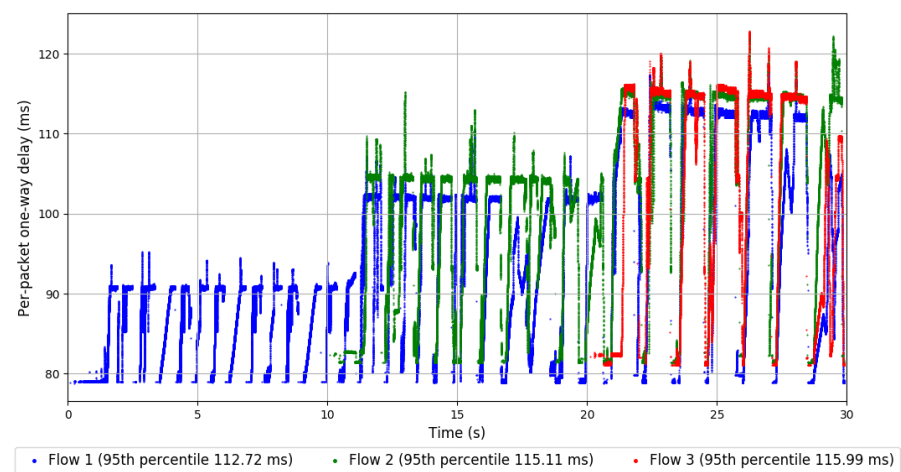
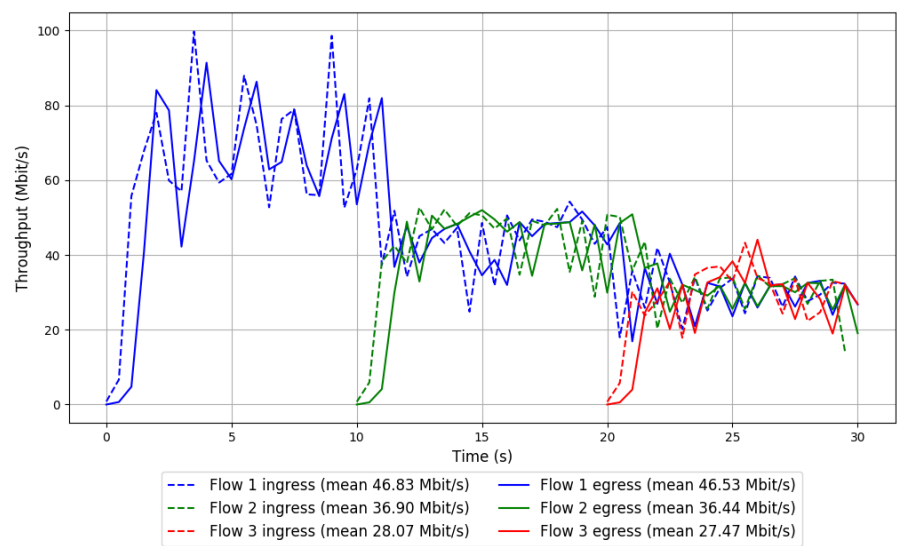


Run 2: Statistics of TCP BBR

Start at: 2018-07-18 09:24:51
End at: 2018-07-18 09:25:21
Local clock offset: -8.093 ms
Remote clock offset: 13.325 ms

Below is generated by plot.py at 2018-07-18 12:39:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 115.055 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 112.724 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 115.112 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 115.986 ms
Loss rate: 3.79%

Run 2: Report of TCP BBR — Data Link

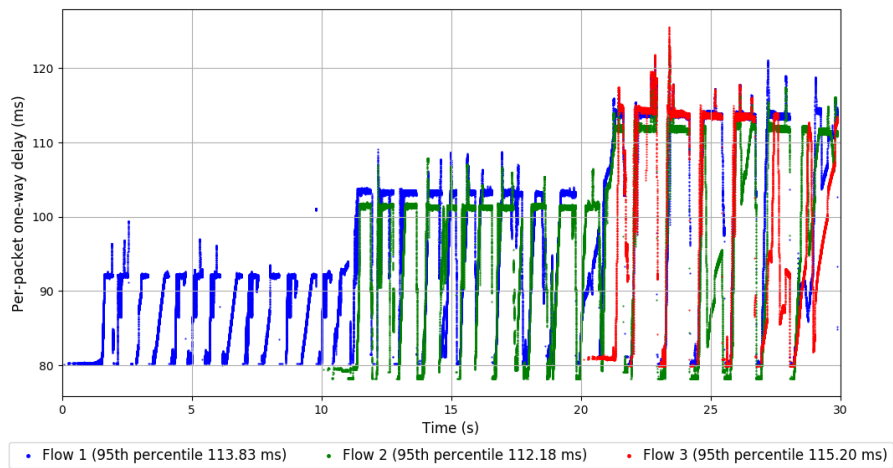
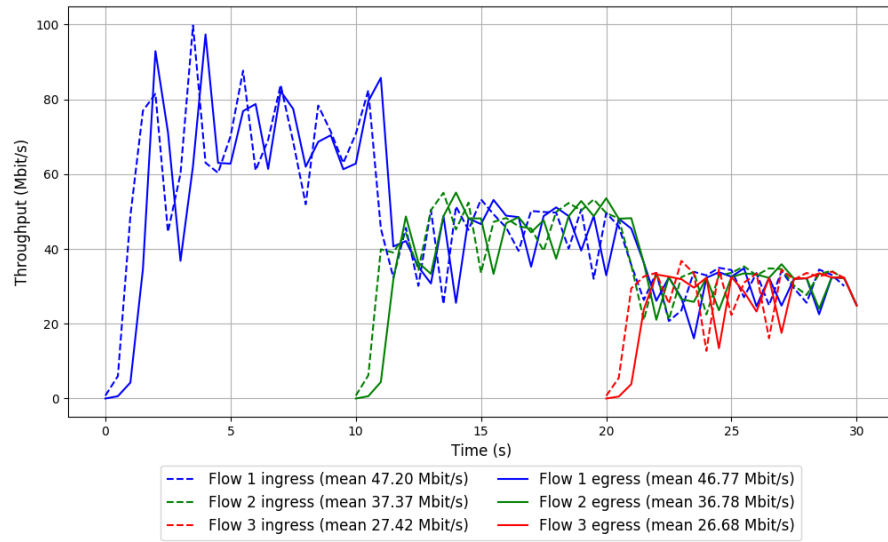


Run 3: Statistics of TCP BBR

Start at: 2018-07-18 09:46:14
End at: 2018-07-18 09:46:44
Local clock offset: -7.432 ms
Remote clock offset: 15.181 ms

Below is generated by plot.py at 2018-07-18 12:39:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.97 Mbit/s
95th percentile per-packet one-way delay: 113.875 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 113.827 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 112.182 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 115.205 ms
Loss rate: 4.33%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-18 10:07:26

End at: 2018-07-18 10:07:56

Local clock offset: -6.86 ms

Remote clock offset: 4.435 ms

Below is generated by plot.py at 2018-07-18 12:39:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.26 Mbit/s

95th percentile per-packet one-way delay: 117.636 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 47.60 Mbit/s

95th percentile per-packet one-way delay: 117.587 ms

Loss rate: 1.60%

-- Flow 2:

Average throughput: 37.19 Mbit/s

95th percentile per-packet one-way delay: 115.670 ms

Loss rate: 2.13%

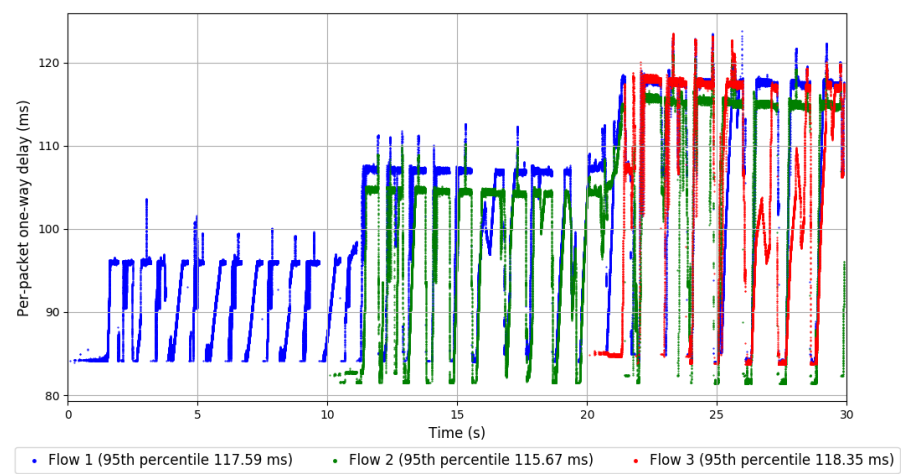
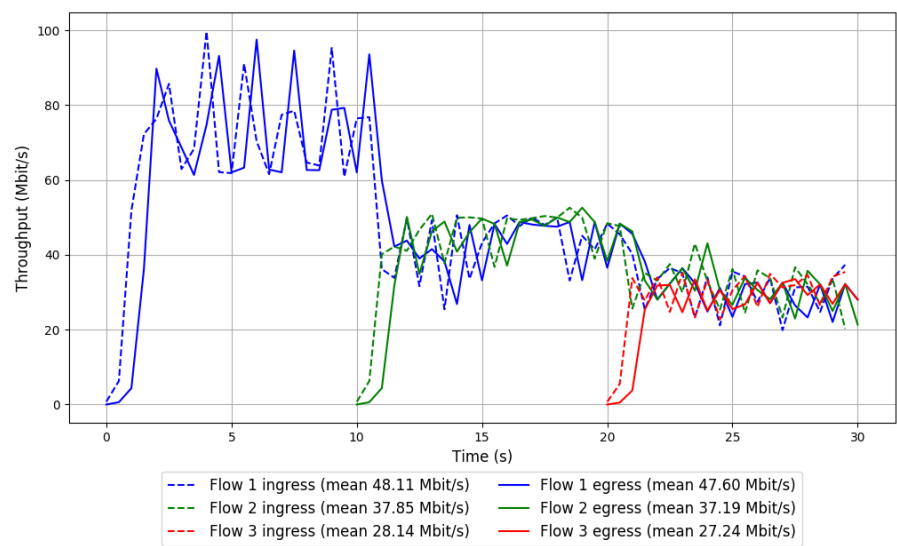
-- Flow 3:

Average throughput: 27.24 Mbit/s

95th percentile per-packet one-way delay: 118.346 ms

Loss rate: 4.83%

Run 4: Report of TCP BBR — Data Link

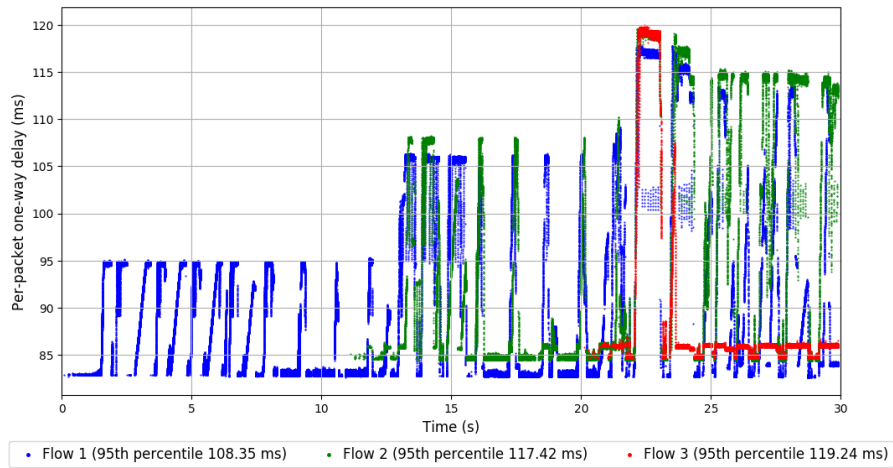
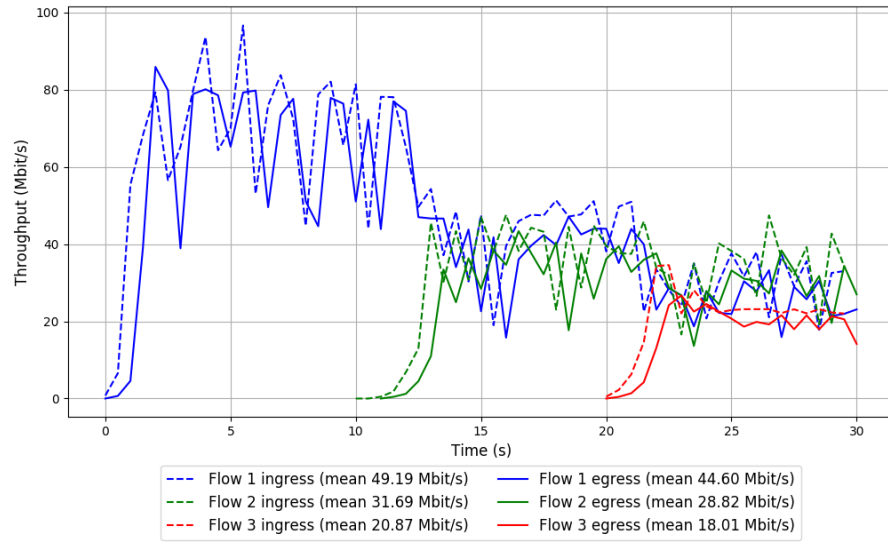


Run 5: Statistics of TCP BBR

Start at: 2018-07-18 10:28:34
End at: 2018-07-18 10:29:04
Local clock offset: -5.36 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-07-18 12:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.68 Mbit/s
95th percentile per-packet one-way delay: 114.835 ms
Loss rate: 11.56%
-- Flow 1:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 108.348 ms
Loss rate: 9.83%
-- Flow 2:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 117.419 ms
Loss rate: 14.42%
-- Flow 3:
Average throughput: 18.01 Mbit/s
95th percentile per-packet one-way delay: 119.240 ms
Loss rate: 15.16%

Run 5: Report of TCP BBR — Data Link

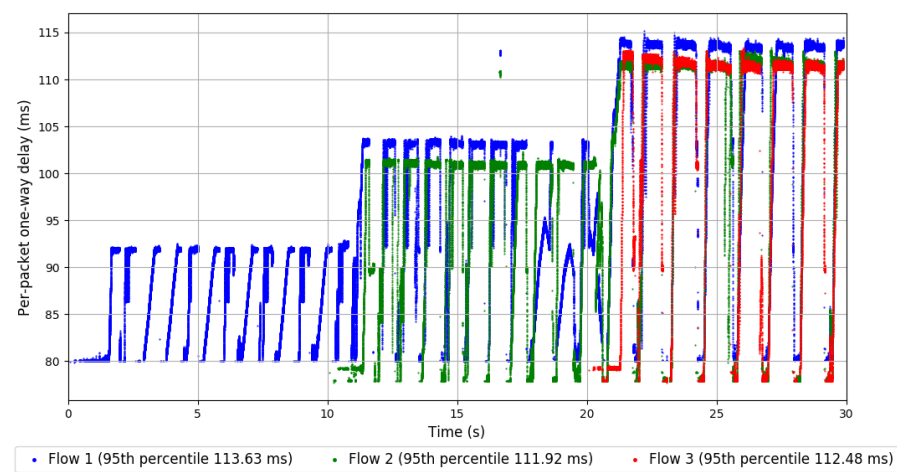
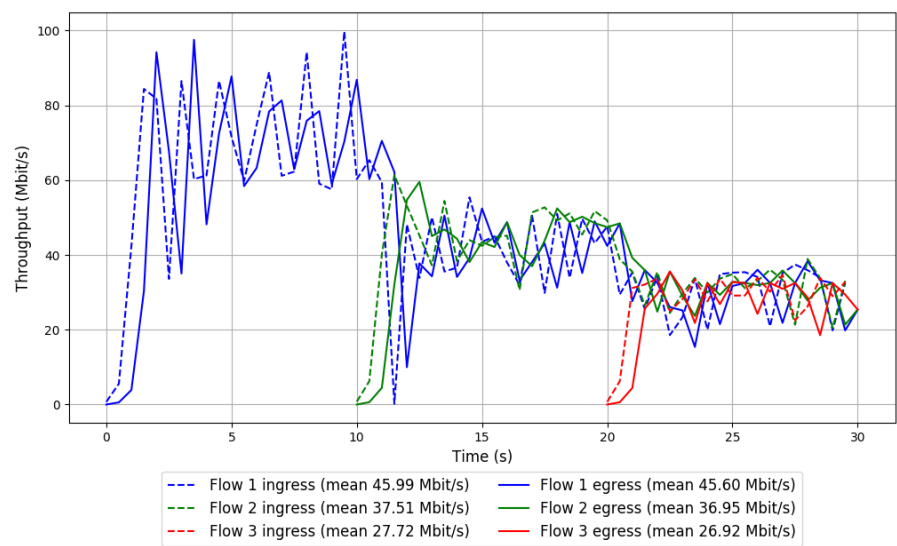


Run 6: Statistics of TCP BBR

Start at: 2018-07-18 10:49:56
End at: 2018-07-18 10:50:26
Local clock offset: -1.776 ms
Remote clock offset: 15.229 ms

Below is generated by plot.py at 2018-07-18 12:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.99 Mbit/s
95th percentile per-packet one-way delay: 113.431 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 113.633 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 36.95 Mbit/s
95th percentile per-packet one-way delay: 111.920 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 112.476 ms
Loss rate: 4.64%

Run 6: Report of TCP BBR — Data Link

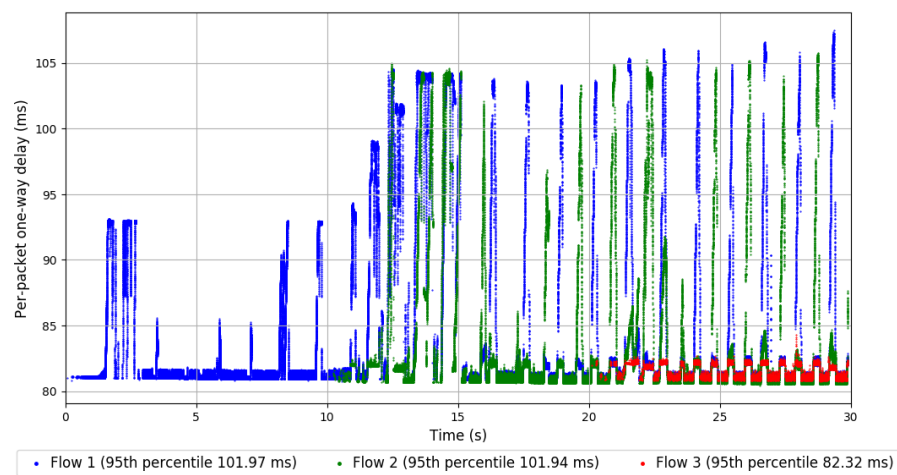
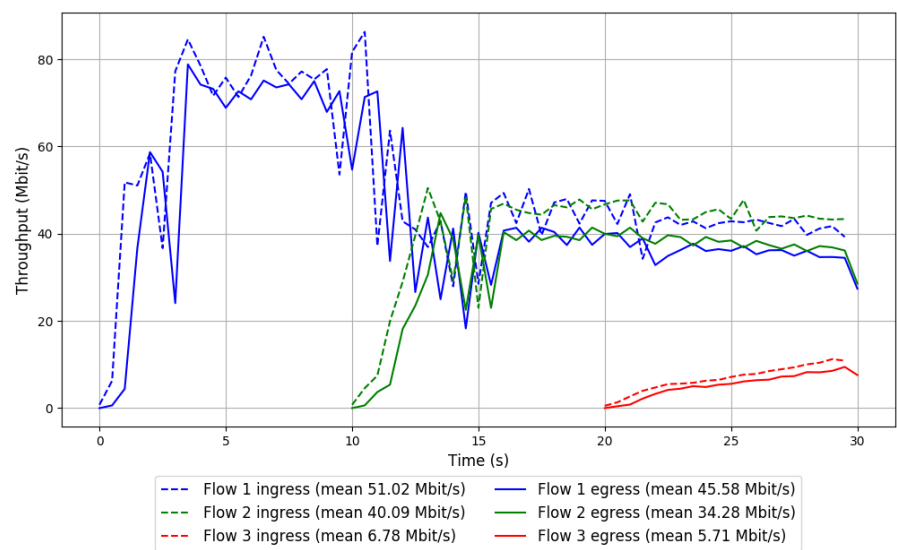


Run 7: Statistics of TCP BBR

Start at: 2018-07-18 11:11:08
End at: 2018-07-18 11:11:38
Local clock offset: -2.064 ms
Remote clock offset: 10.526 ms

Below is generated by plot.py at 2018-07-18 12:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.23 Mbit/s
95th percentile per-packet one-way delay: 101.764 ms
Loss rate: 12.68%
-- Flow 1:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 101.965 ms
Loss rate: 11.16%
-- Flow 2:
Average throughput: 34.28 Mbit/s
95th percentile per-packet one-way delay: 101.939 ms
Loss rate: 15.19%
-- Flow 3:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 82.320 ms
Loss rate: 17.15%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-18 11:32:39

End at: 2018-07-18 11:33:09

Local clock offset: -4.829 ms

Remote clock offset: 5.501 ms

Below is generated by plot.py at 2018-07-18 12:39:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.16 Mbit/s

95th percentile per-packet one-way delay: 115.210 ms

Loss rate: 8.09%

-- Flow 1:

Average throughput: 39.88 Mbit/s

95th percentile per-packet one-way delay: 112.919 ms

Loss rate: 8.42%

-- Flow 2:

Average throughput: 36.23 Mbit/s

95th percentile per-packet one-way delay: 113.377 ms

Loss rate: 8.71%

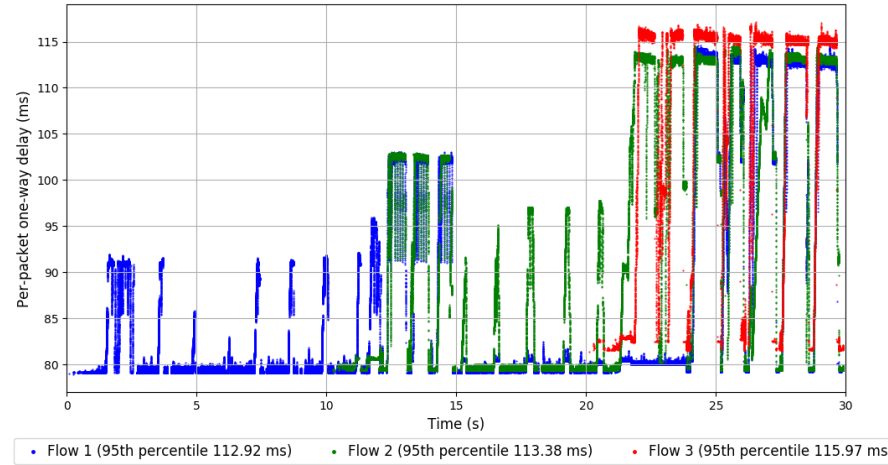
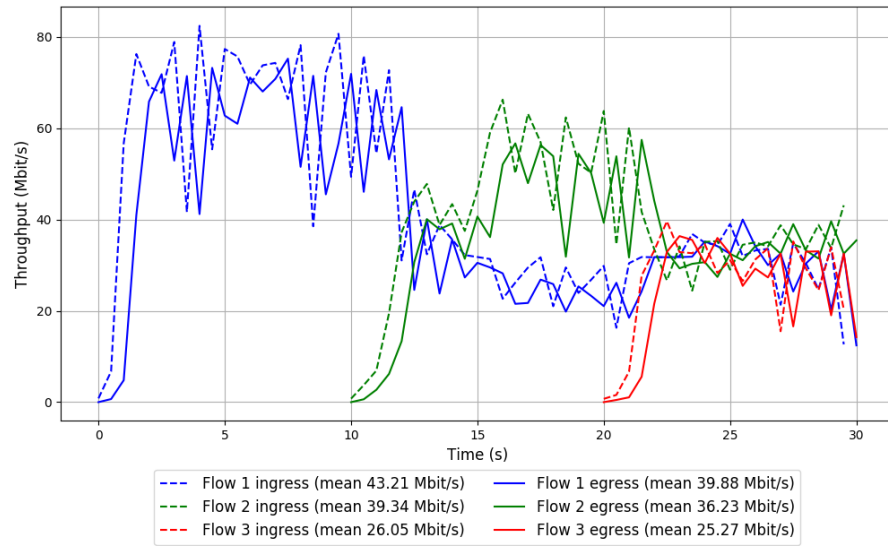
-- Flow 3:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 115.970 ms

Loss rate: 4.59%

Run 8: Report of TCP BBR — Data Link

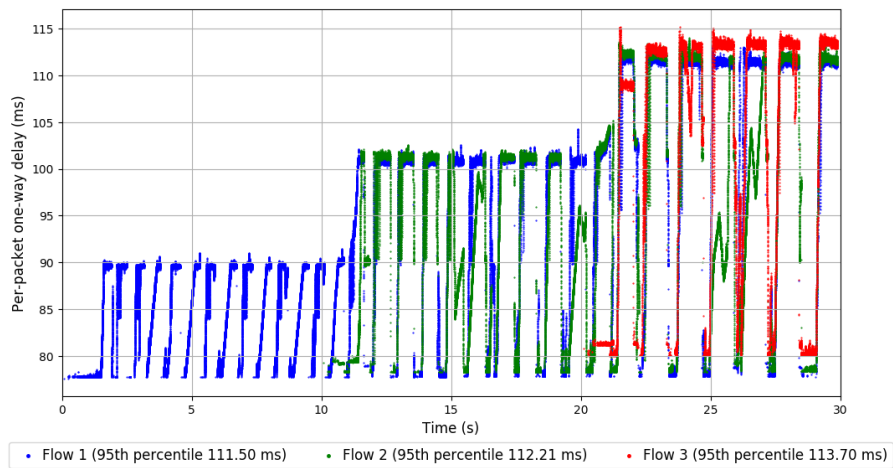
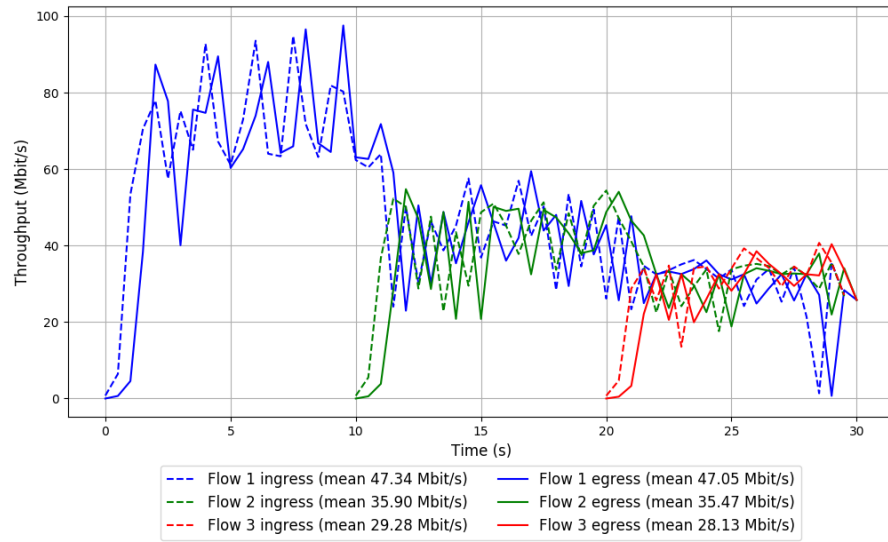


Run 9: Statistics of TCP BBR

Start at: 2018-07-18 11:54:03
End at: 2018-07-18 11:54:33
Local clock offset: -7.587 ms
Remote clock offset: 14.566 ms

Below is generated by plot.py at 2018-07-18 12:40:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.84 Mbit/s
95th percentile per-packet one-way delay: 112.848 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 111.502 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 112.214 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 113.699 ms
Loss rate: 5.50%

Run 9: Report of TCP BBR — Data Link

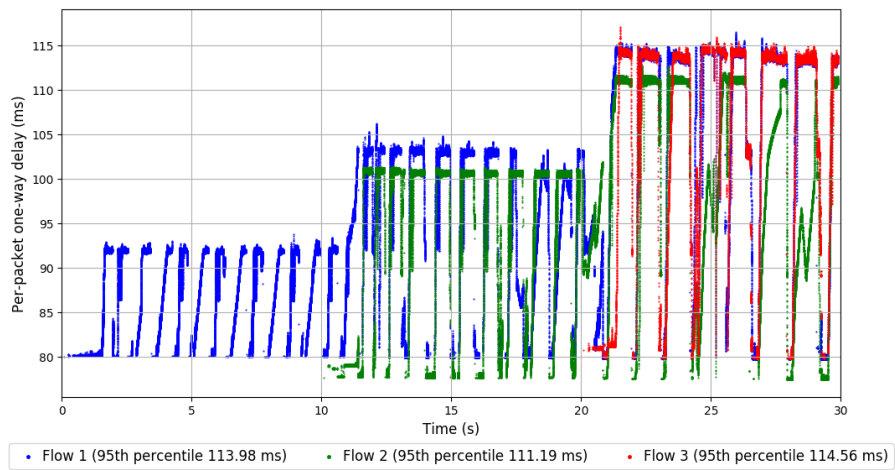
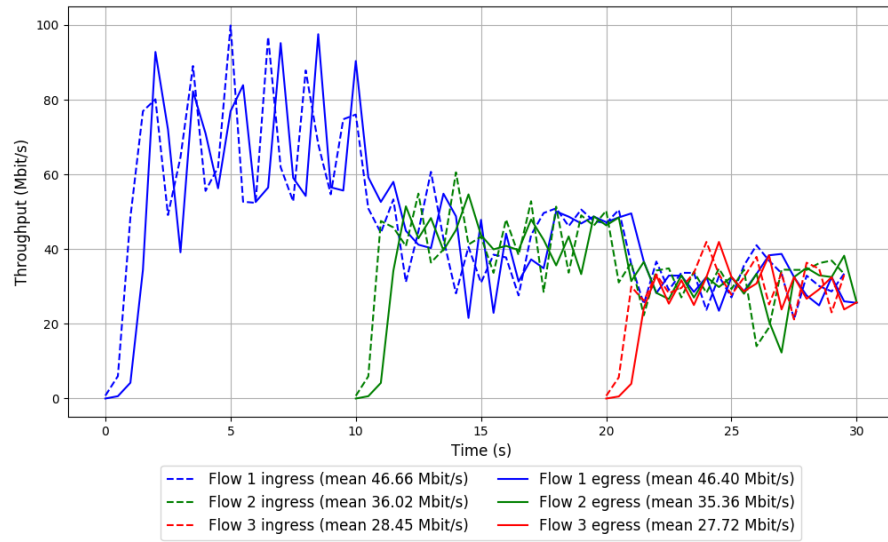


Run 10: Statistics of TCP BBR

Start at: 2018-07-18 12:15:22
End at: 2018-07-18 12:15:52
Local clock offset: -1.766 ms
Remote clock offset: 15.215 ms

Below is generated by plot.py at 2018-07-18 12:40:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.00 Mbit/s
95th percentile per-packet one-way delay: 114.075 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 113.979 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 111.194 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 114.555 ms
Loss rate: 4.35%

Run 10: Report of TCP BBR — Data Link

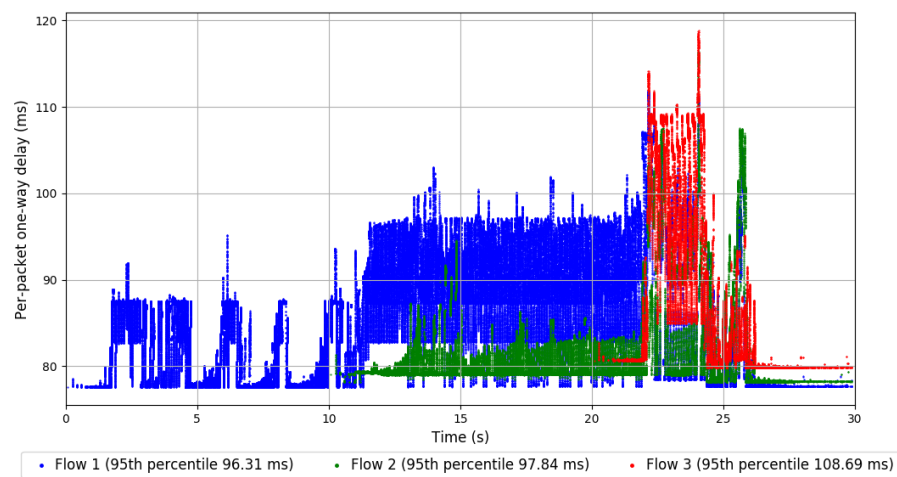
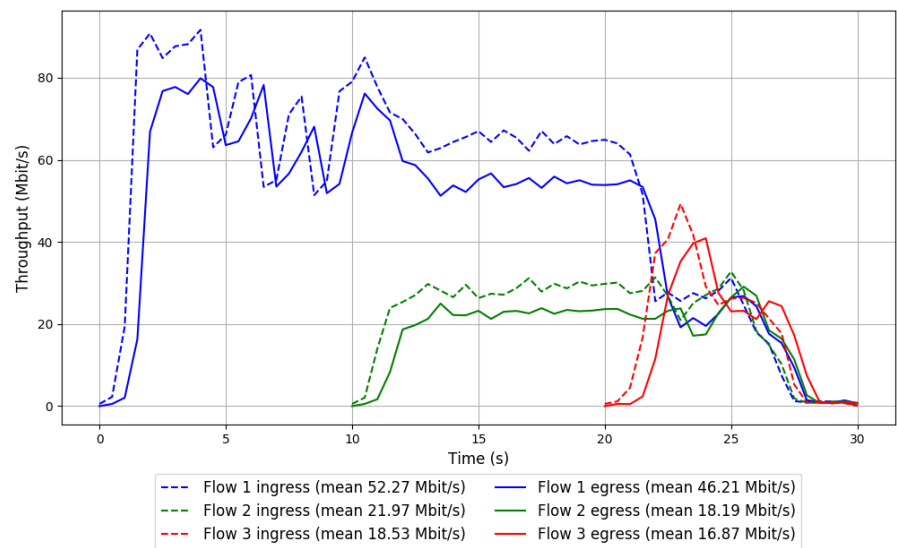


Run 1: Statistics of Copa

Start at: 2018-07-18 09:16:02
End at: 2018-07-18 09:16:32
Local clock offset: -7.5 ms
Remote clock offset: 14.052 ms

Below is generated by plot.py at 2018-07-18 12:41:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.84 Mbit/s
95th percentile per-packet one-way delay: 97.992 ms
Loss rate: 13.25%
-- Flow 1:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 96.309 ms
Loss rate: 12.18%
-- Flow 2:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 97.841 ms
Loss rate: 18.09%
-- Flow 3:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 108.695 ms
Loss rate: 10.89%

Run 1: Report of Copa — Data Link

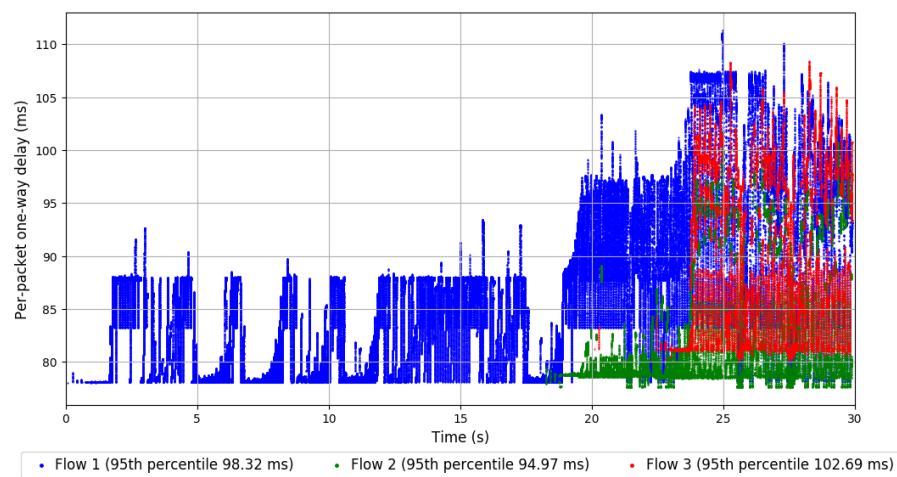
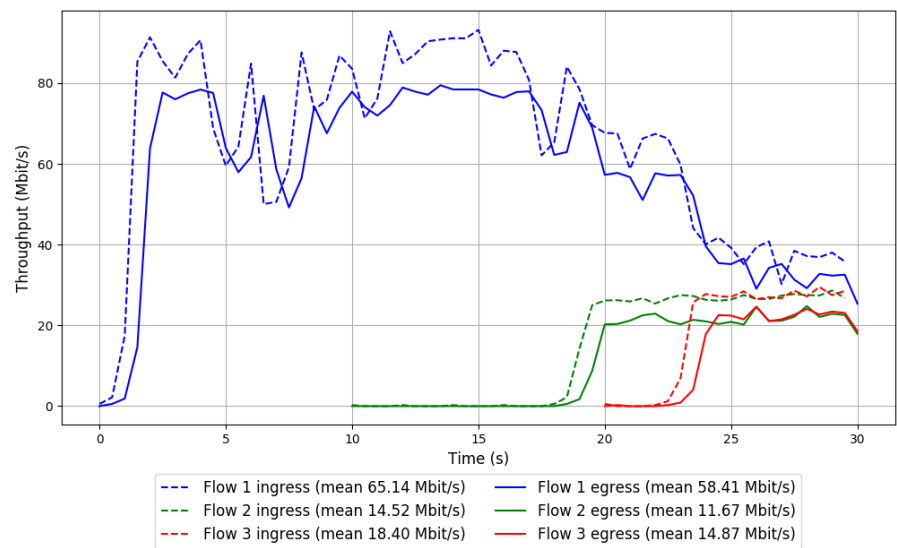


Run 2: Statistics of Copa

Start at: 2018-07-18 09:37:17
End at: 2018-07-18 09:37:47
Local clock offset: -7.472 ms
Remote clock offset: 14.772 ms

Below is generated by plot.py at 2018-07-18 12:41:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.05 Mbit/s
95th percentile per-packet one-way delay: 99.211 ms
Loss rate: 12.68%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 98.316 ms
Loss rate: 10.83%
-- Flow 2:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 94.971 ms
Loss rate: 20.23%
-- Flow 3:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 102.690 ms
Loss rate: 20.52%

Run 2: Report of Copa — Data Link

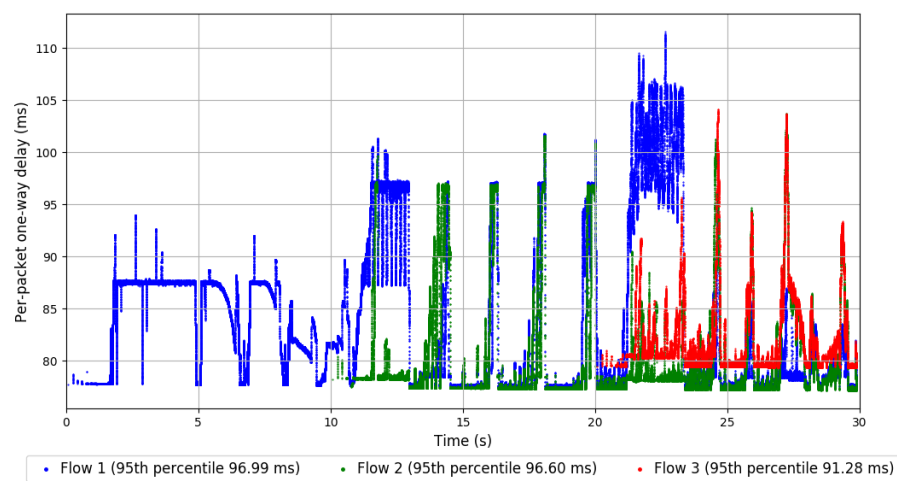
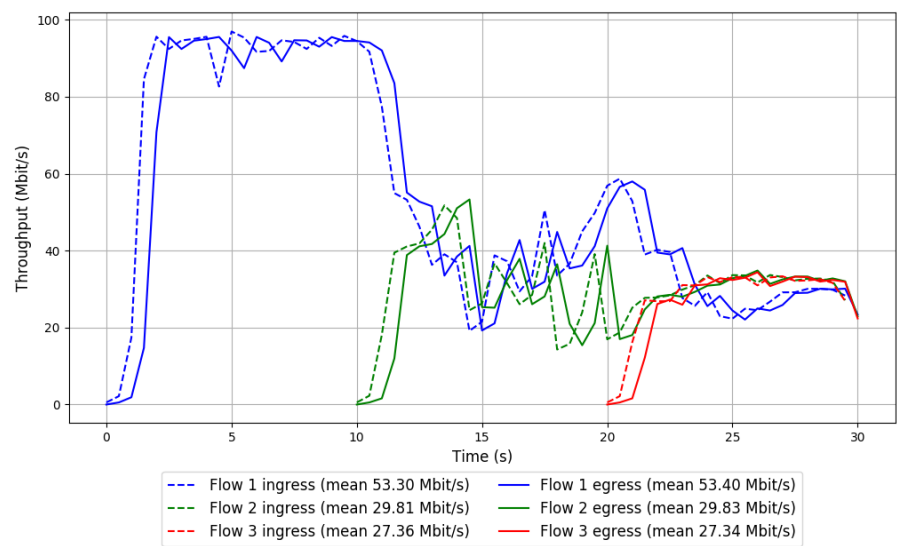


Run 3: Statistics of Copa

Start at: 2018-07-18 09:58:38
End at: 2018-07-18 09:59:08
Local clock offset: -7.28 ms
Remote clock offset: 12.997 ms

Below is generated by plot.py at 2018-07-18 12:41:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 96.838 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 53.40 Mbit/s
95th percentile per-packet one-way delay: 96.987 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 96.600 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 91.277 ms
Loss rate: 1.74%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-18 10:19:47

End at: 2018-07-18 10:20:17

Local clock offset: -6.867 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2018-07-18 12:41:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.11 Mbit/s

95th percentile per-packet one-way delay: 104.535 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 49.07 Mbit/s

95th percentile per-packet one-way delay: 102.058 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 34.55 Mbit/s

95th percentile per-packet one-way delay: 104.408 ms

Loss rate: 0.73%

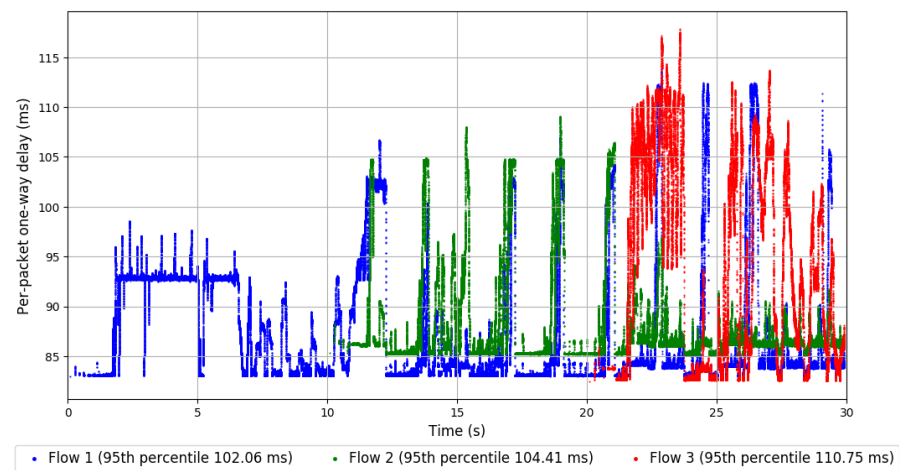
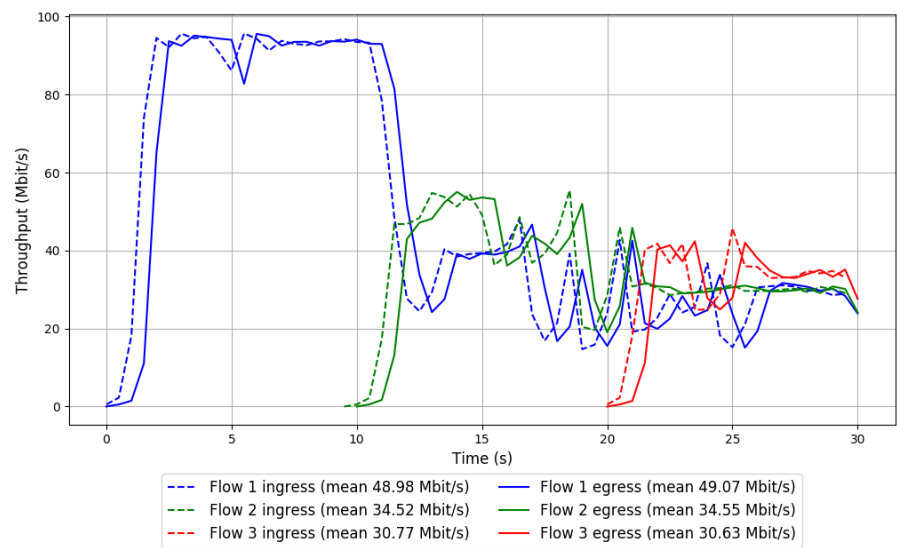
-- Flow 3:

Average throughput: 30.63 Mbit/s

95th percentile per-packet one-way delay: 110.755 ms

Loss rate: 2.06%

Run 4: Report of Copa — Data Link

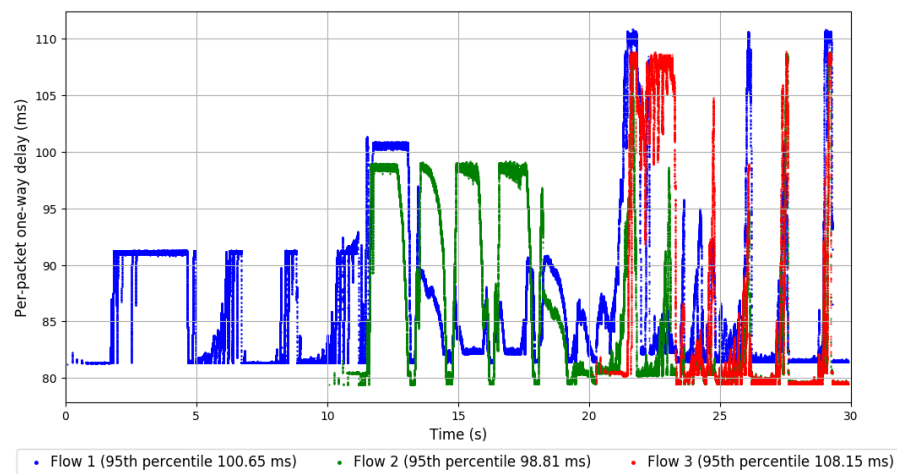
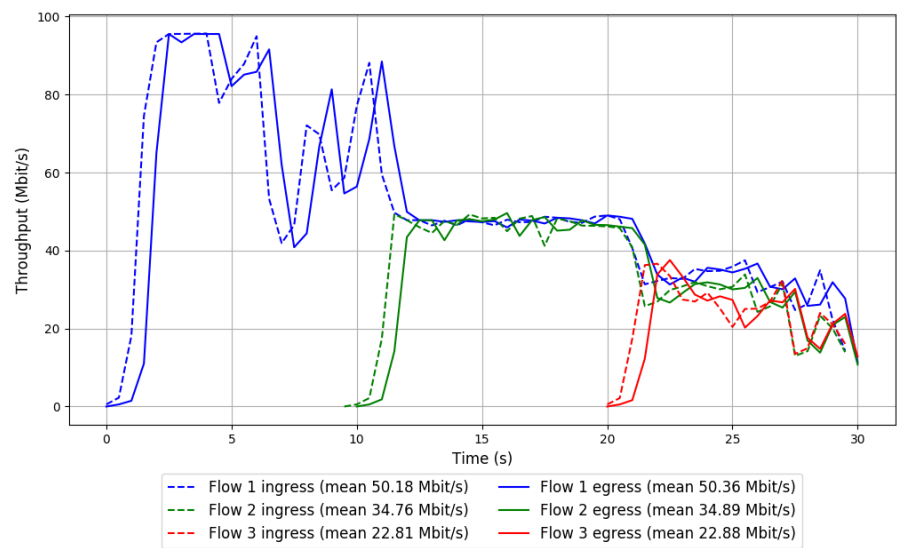


Run 5: Statistics of Copa

Start at: 2018-07-18 10:41:08
End at: 2018-07-18 10:41:38
Local clock offset: -2.571 ms
Remote clock offset: 11.668 ms

Below is generated by plot.py at 2018-07-18 12:41:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 100.768 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 100.651 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 98.807 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 108.146 ms
Loss rate: 1.37%

Run 5: Report of Copa — Data Link

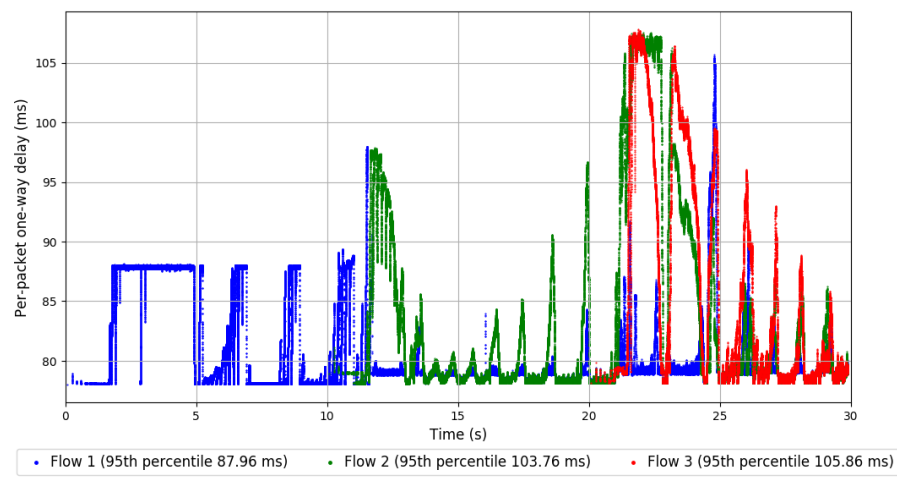
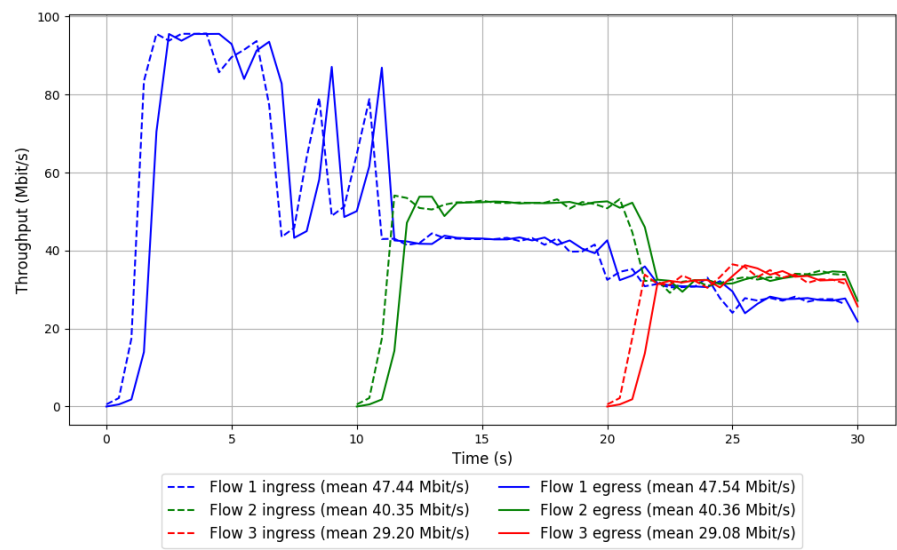


Run 6: Statistics of Copa

Start at: 2018-07-18 11:02:21
End at: 2018-07-18 11:02:51
Local clock offset: -1.877 ms
Remote clock offset: 16.865 ms

Below is generated by plot.py at 2018-07-18 12:41:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 97.141 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 47.54 Mbit/s
95th percentile per-packet one-way delay: 87.961 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 103.763 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 105.855 ms
Loss rate: 2.02%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-18 11:23:54

End at: 2018-07-18 11:24:24

Local clock offset: -1.78 ms

Remote clock offset: 3.715 ms

Below is generated by plot.py at 2018-07-18 12:42:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.44 Mbit/s

95th percentile per-packet one-way delay: 103.278 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 58.59 Mbit/s

95th percentile per-packet one-way delay: 101.579 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 32.40 Mbit/s

95th percentile per-packet one-way delay: 100.615 ms

Loss rate: 0.86%

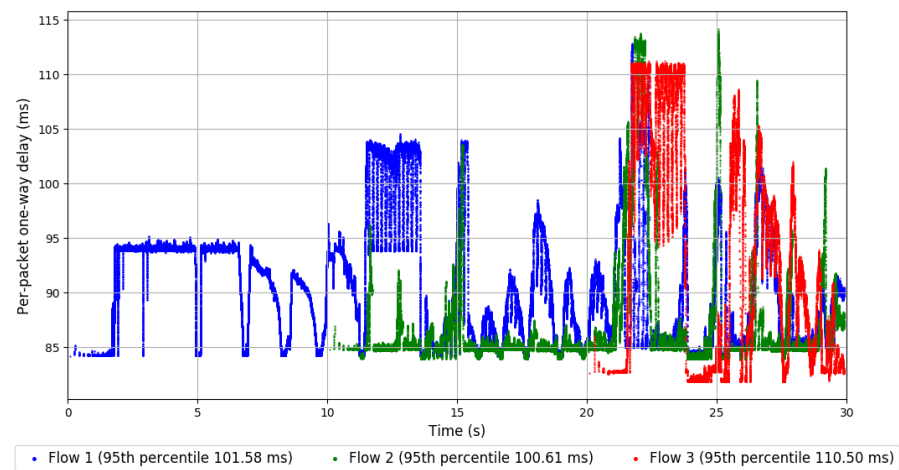
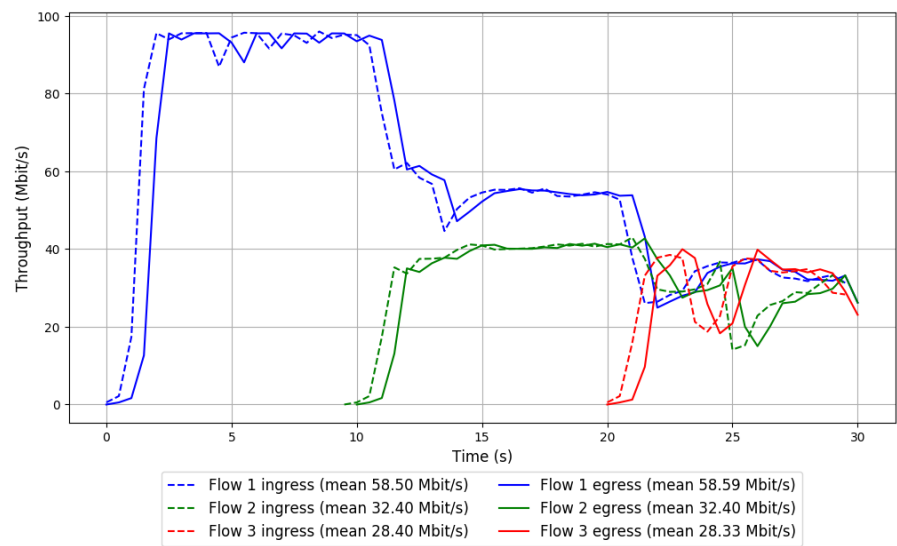
-- Flow 3:

Average throughput: 28.33 Mbit/s

95th percentile per-packet one-way delay: 110.504 ms

Loss rate: 1.90%

Run 7: Report of Copa — Data Link

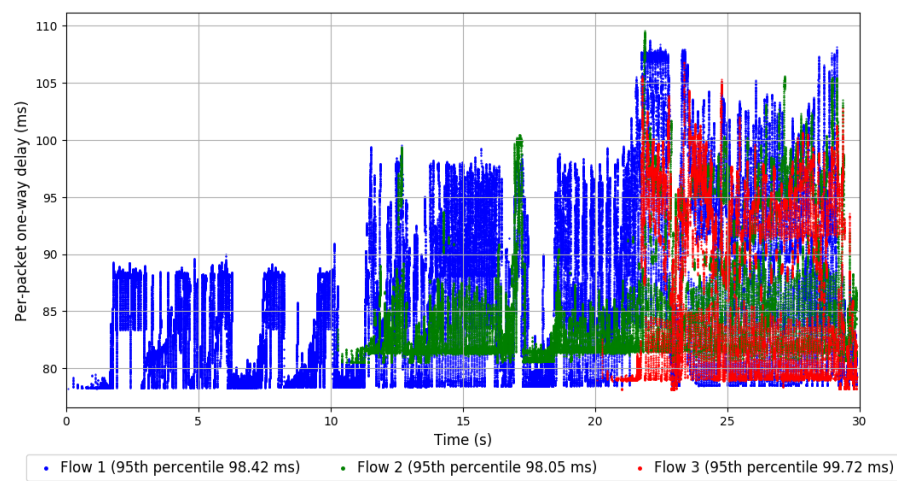
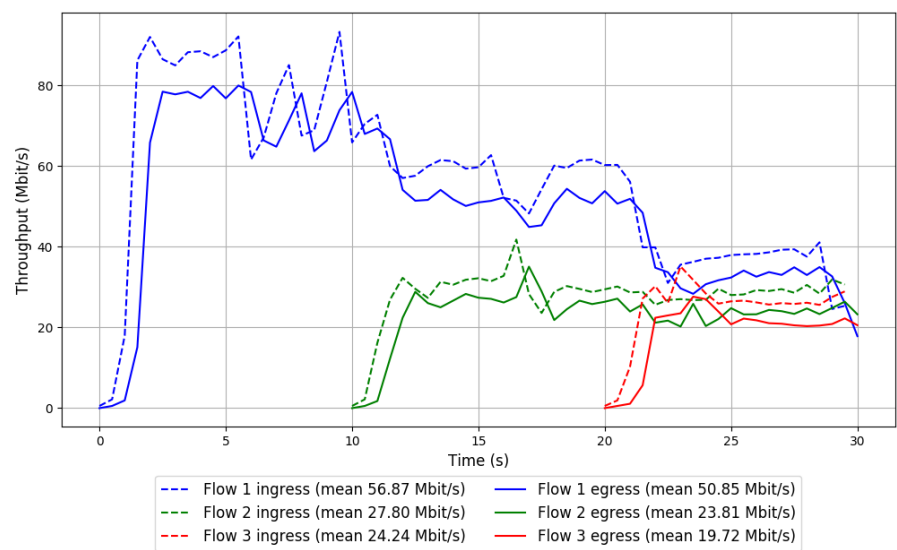


Run 8: Statistics of Copa

Start at: 2018-07-18 11:45:05
End at: 2018-07-18 11:45:35
Local clock offset: -6.932 ms
Remote clock offset: 11.177 ms

Below is generated by plot.py at 2018-07-18 12:42:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.16 Mbit/s
95th percentile per-packet one-way delay: 98.581 ms
Loss rate: 12.81%
-- Flow 1:
Average throughput: 50.85 Mbit/s
95th percentile per-packet one-way delay: 98.425 ms
Loss rate: 11.07%
-- Flow 2:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 98.046 ms
Loss rate: 15.07%
-- Flow 3:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 99.717 ms
Loss rate: 19.90%

Run 8: Report of Copa — Data Link

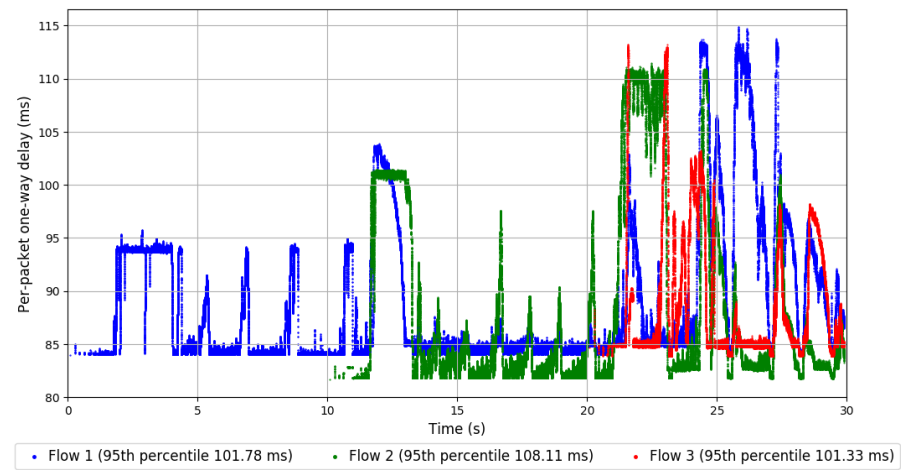
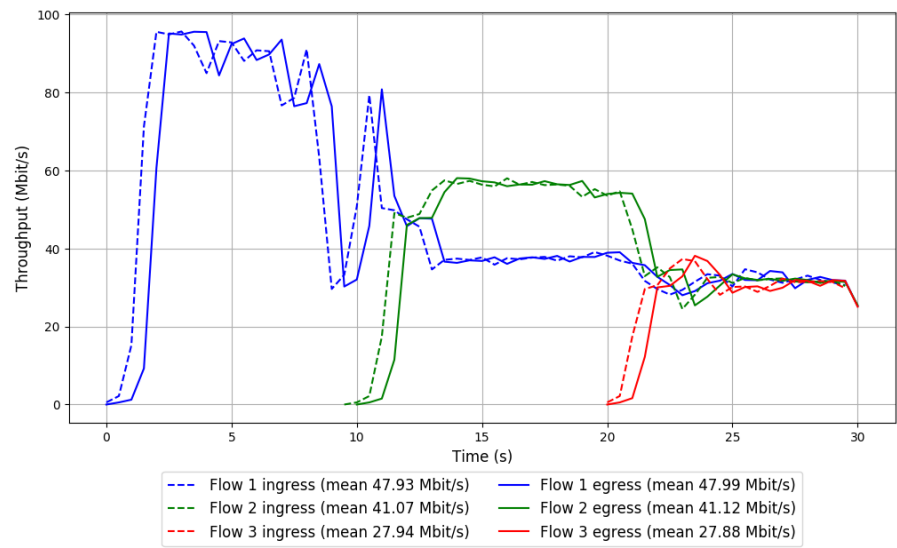


Run 9: Statistics of Copa

Start at: 2018-07-18 12:06:36
End at: 2018-07-18 12:07:06
Local clock offset: -3.159 ms
Remote clock offset: 13.005 ms

```
# Below is generated by plot.py at 2018-07-18 12:42:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 103.138 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 47.99 Mbit/s
95th percentile per-packet one-way delay: 101.780 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 108.110 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 101.329 ms
Loss rate: 1.89%
```

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-18 12:27:46

End at: 2018-07-18 12:28:16

Local clock offset: -2.655 ms

Remote clock offset: 6.429 ms

Below is generated by plot.py at 2018-07-18 12:43:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.04 Mbit/s

95th percentile per-packet one-way delay: 110.168 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 46.50 Mbit/s

95th percentile per-packet one-way delay: 94.599 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 40.55 Mbit/s

95th percentile per-packet one-way delay: 111.742 ms

Loss rate: 0.70%

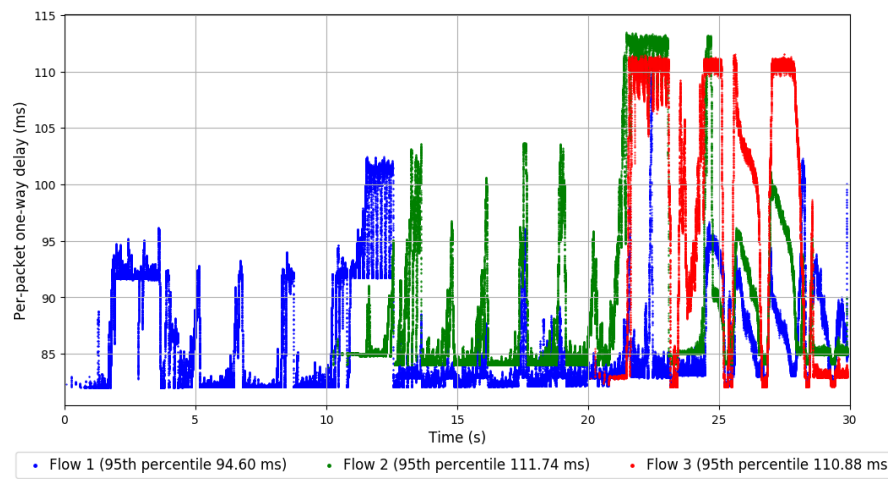
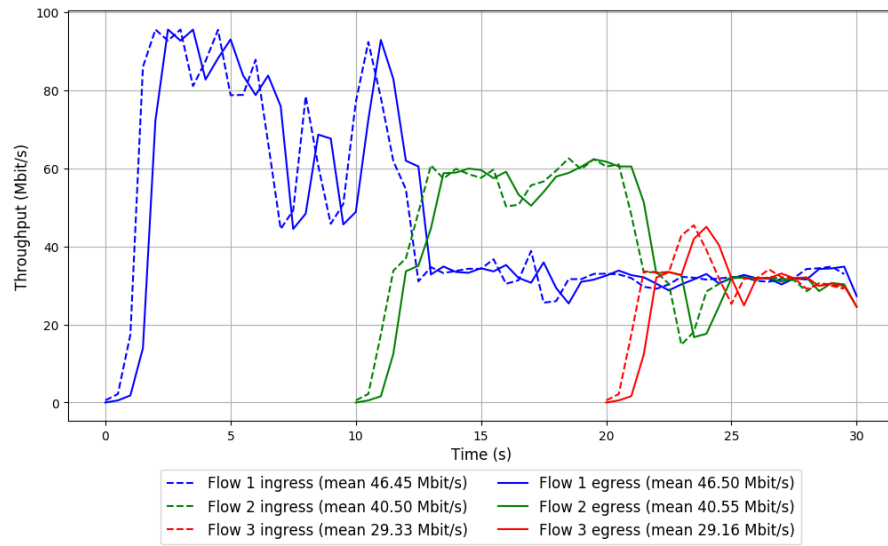
-- Flow 3:

Average throughput: 29.16 Mbit/s

95th percentile per-packet one-way delay: 110.877 ms

Loss rate: 2.19%

Run 10: Report of Copa — Data Link

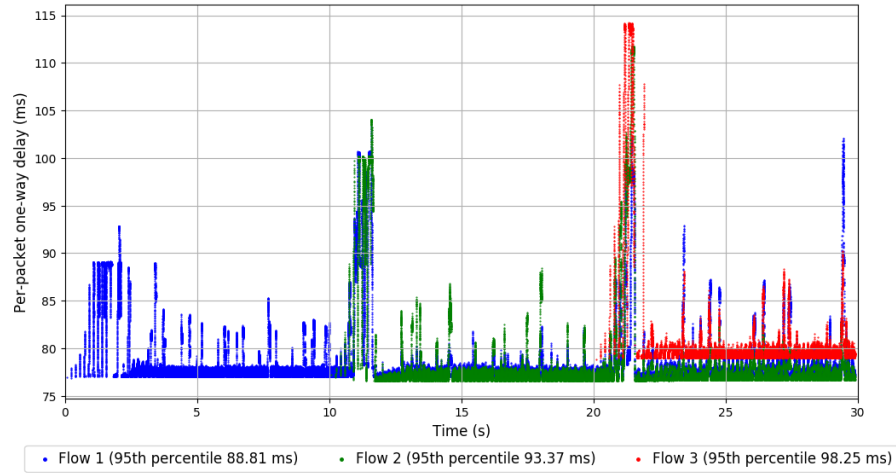
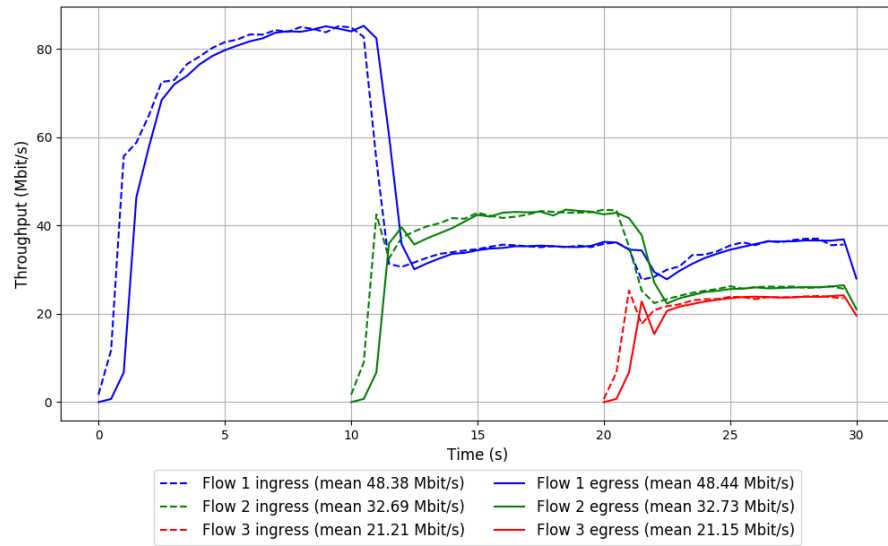


Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 09:08:36
End at: 2018-07-18 09:09:06
Local clock offset: -6.506 ms
Remote clock offset: 15.086 ms

Below is generated by plot.py at 2018-07-18 12:43:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.13 Mbit/s
95th percentile per-packet one-way delay: 88.895 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 88.813 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 93.367 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 98.250 ms
Loss rate: 1.95%

Run 1: Report of TCP Cubic — Data Link

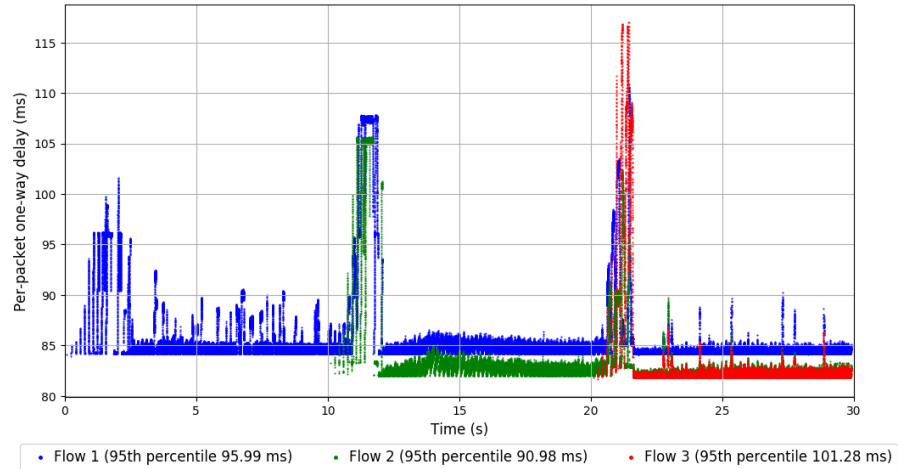
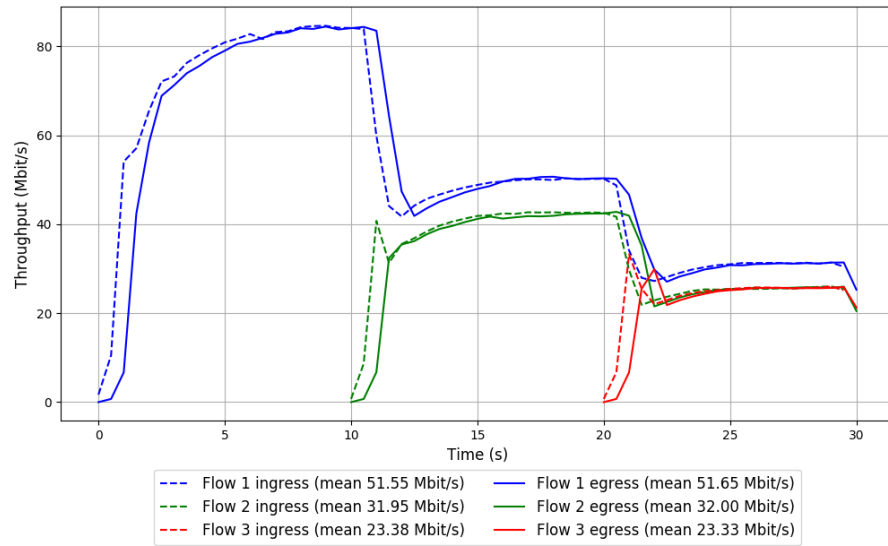


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 09:29:50
End at: 2018-07-18 09:30:20
Local clock offset: -7.739 ms
Remote clock offset: 10.542 ms

Below is generated by plot.py at 2018-07-18 12:43:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 95.970 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 51.65 Mbit/s
95th percentile per-packet one-way delay: 95.990 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 90.985 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 101.275 ms
Loss rate: 1.84%

Run 2: Report of TCP Cubic — Data Link

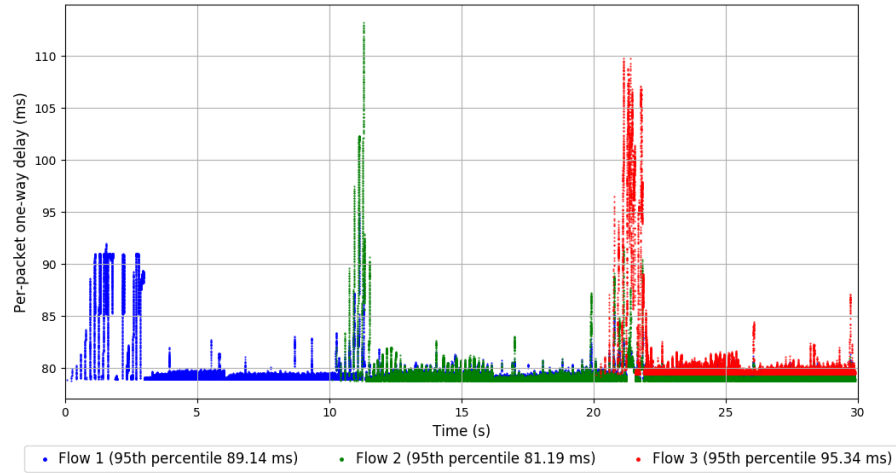
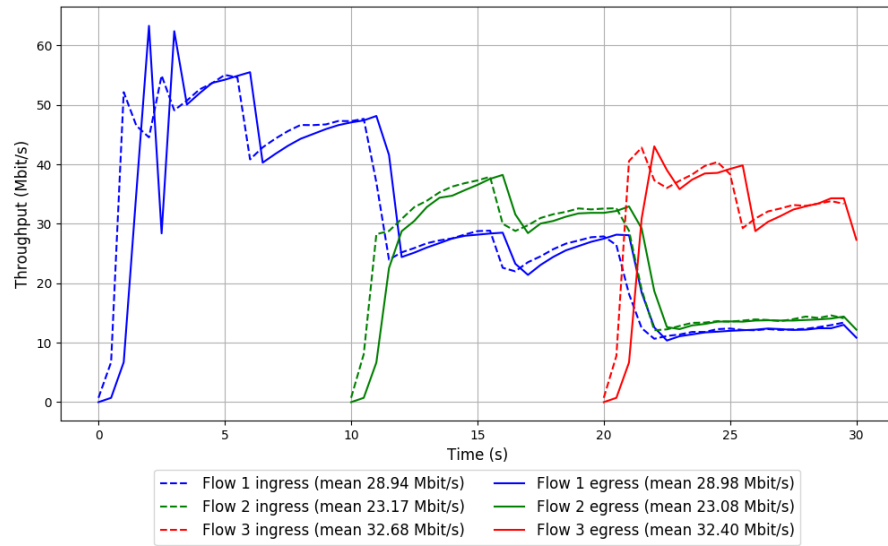


Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 09:51:13
End at: 2018-07-18 09:51:43
Local clock offset: -7.509 ms
Remote clock offset: 14.198 ms

Below is generated by plot.py at 2018-07-18 12:43:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 88.496 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 89.145 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 81.194 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 95.338 ms
Loss rate: 2.46%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 10:12:23

End at: 2018-07-18 10:12:53

Local clock offset: -6.874 ms

Remote clock offset: 2.976 ms

Below is generated by plot.py at 2018-07-18 12:43:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 96.651 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 95.672 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 31.47 Mbit/s

95th percentile per-packet one-way delay: 86.667 ms

Loss rate: 1.47%

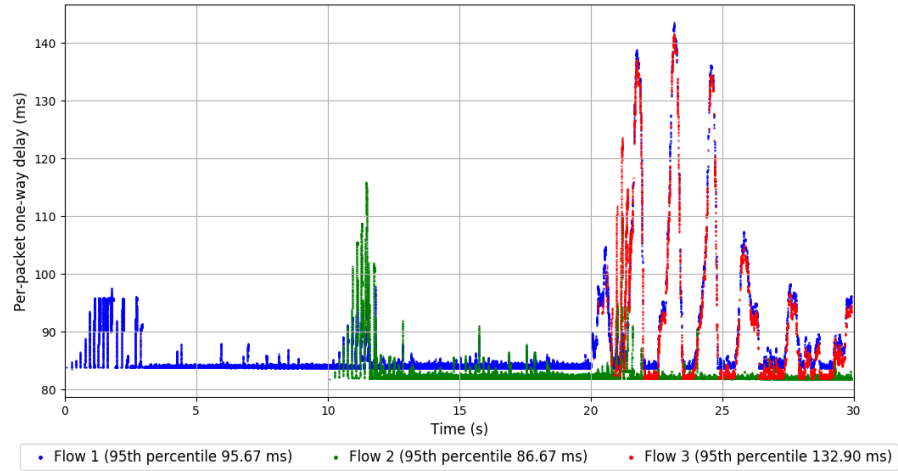
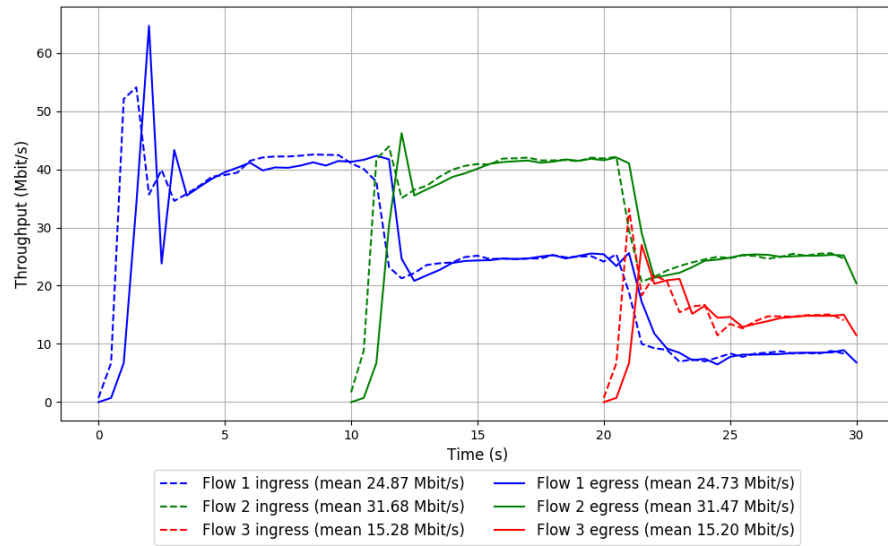
-- Flow 3:

Average throughput: 15.20 Mbit/s

95th percentile per-packet one-way delay: 132.902 ms

Loss rate: 2.20%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 10:33:43

End at: 2018-07-18 10:34:13

Local clock offset: -3.832 ms

Remote clock offset: 9.277 ms

Below is generated by plot.py at 2018-07-18 12:43:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 90.932 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 90.983 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 26.44 Mbit/s

95th percentile per-packet one-way delay: 88.681 ms

Loss rate: 0.86%

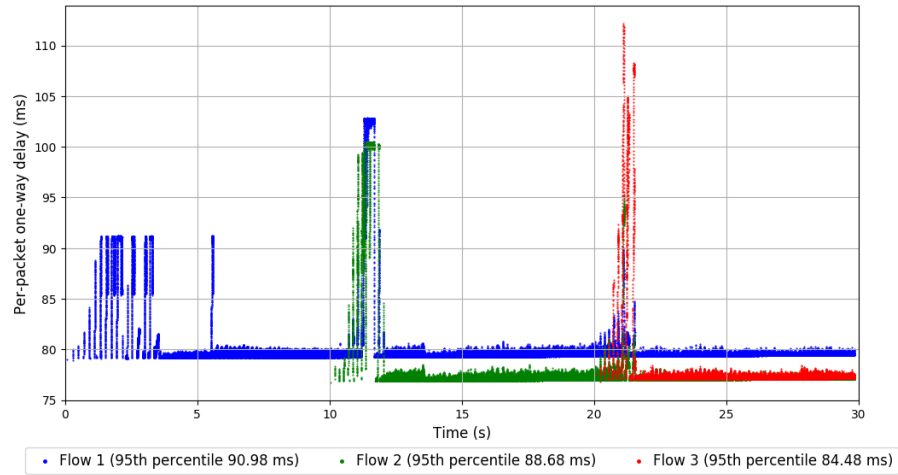
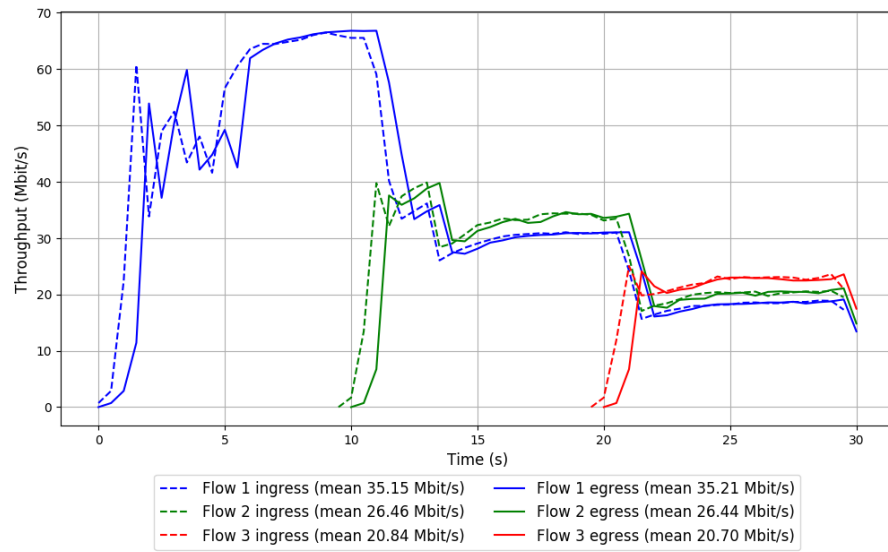
-- Flow 3:

Average throughput: 20.70 Mbit/s

95th percentile per-packet one-way delay: 84.485 ms

Loss rate: 2.34%

Run 5: Report of TCP Cubic — Data Link

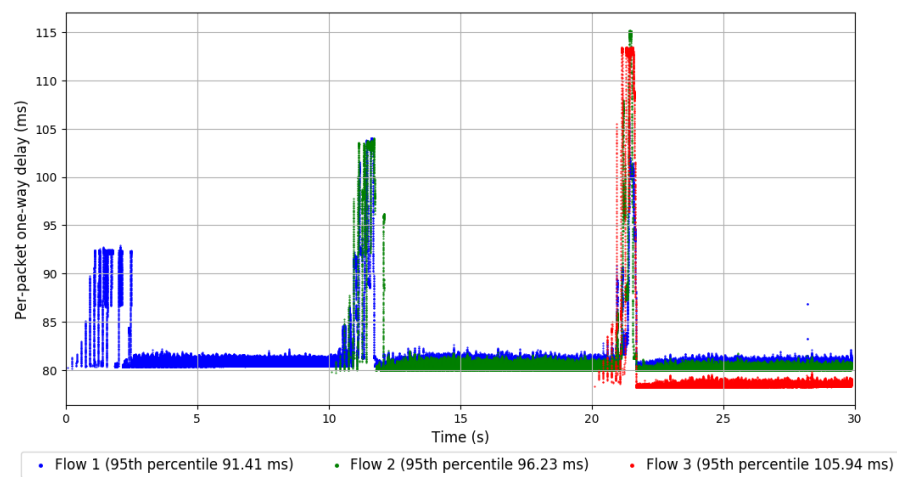
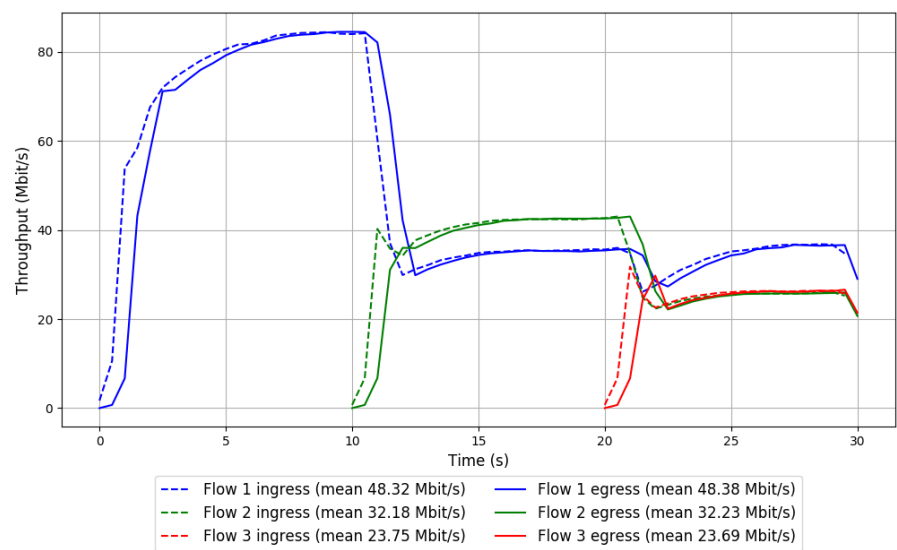


Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 10:54:55
End at: 2018-07-18 10:55:25
Local clock offset: -1.374 ms
Remote clock offset: 15.964 ms

Below is generated by plot.py at 2018-07-18 12:43:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.58 Mbit/s
95th percentile per-packet one-way delay: 92.143 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 91.414 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 96.230 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 105.945 ms
Loss rate: 1.89%

Run 6: Report of TCP Cubic — Data Link

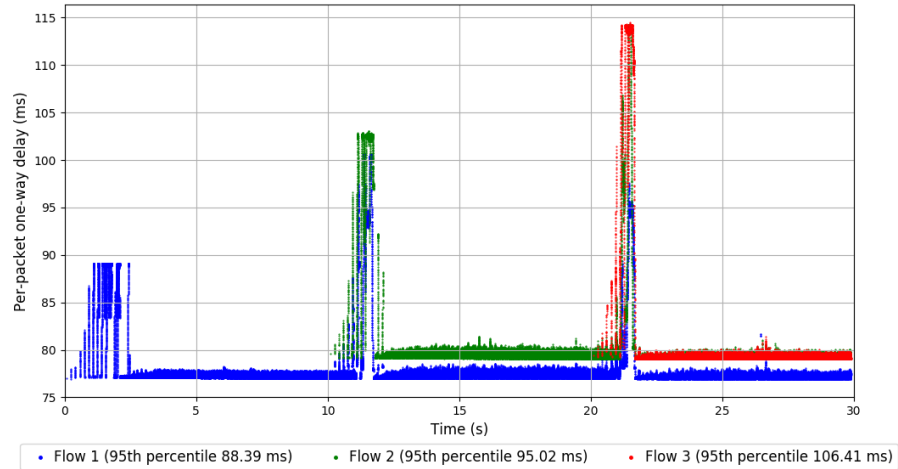
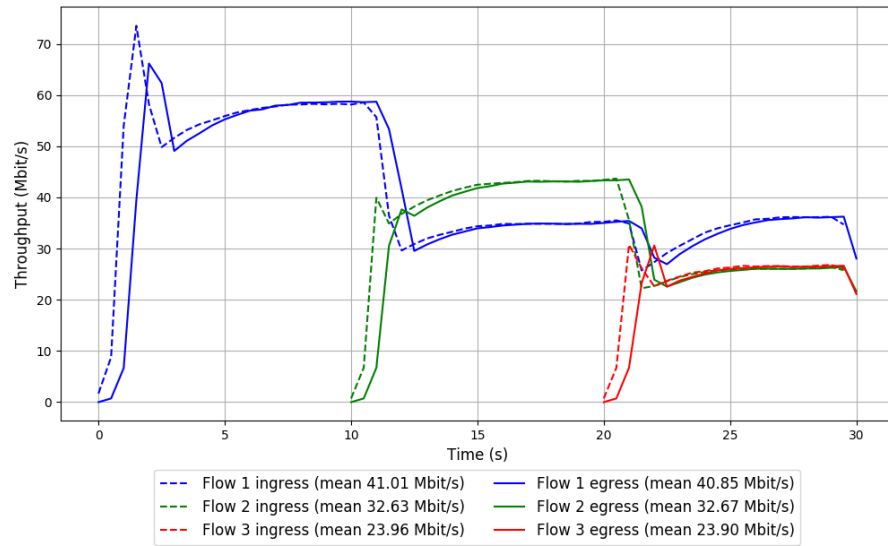


Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 11:16:26
End at: 2018-07-18 11:16:56
Local clock offset: -1.936 ms
Remote clock offset: 10.599 ms

Below is generated by plot.py at 2018-07-18 12:43:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: 88.928 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 88.388 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 95.017 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 106.405 ms
Loss rate: 1.91%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 11:37:39

End at: 2018-07-18 11:38:09

Local clock offset: -5.978 ms

Remote clock offset: 1.261 ms

Below is generated by plot.py at 2018-07-18 12:43:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.21 Mbit/s

95th percentile per-packet one-way delay: 96.718 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 46.11 Mbit/s

95th percentile per-packet one-way delay: 96.671 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 99.059 ms

Loss rate: 0.74%

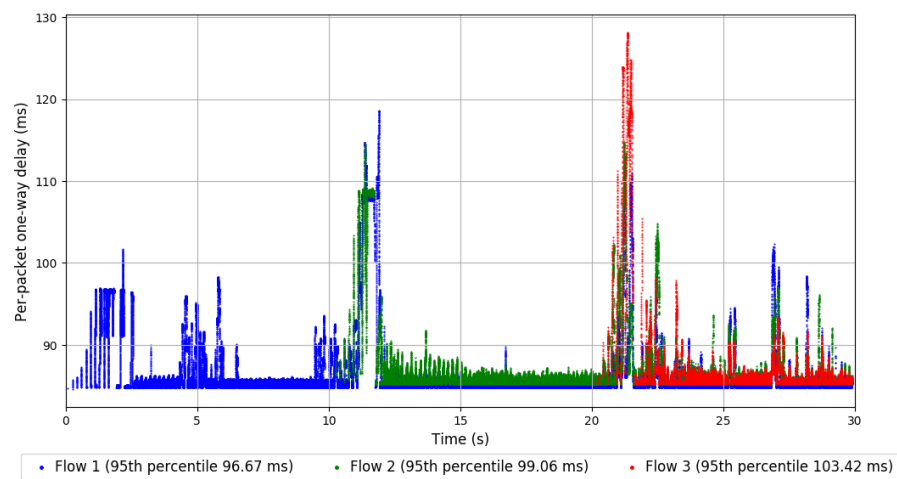
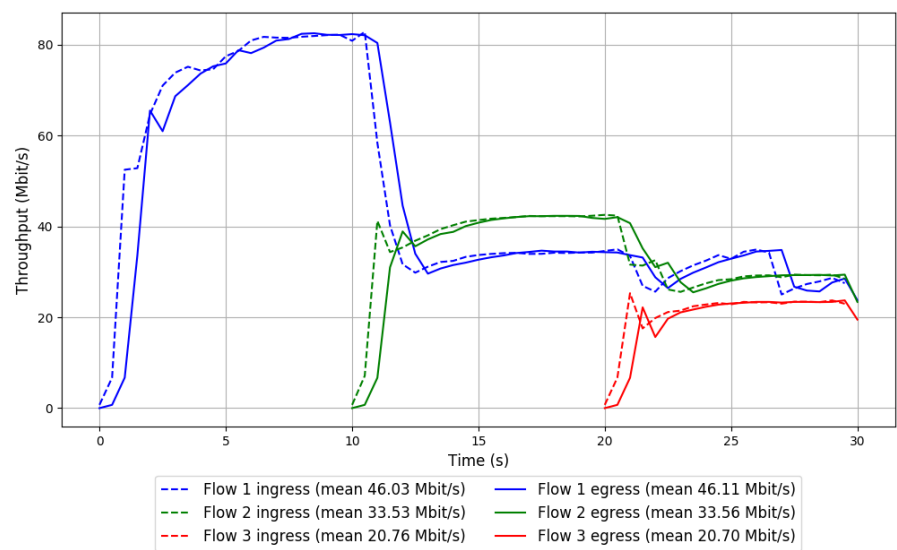
-- Flow 3:

Average throughput: 20.70 Mbit/s

95th percentile per-packet one-way delay: 103.419 ms

Loss rate: 1.96%

Run 8: Report of TCP Cubic — Data Link

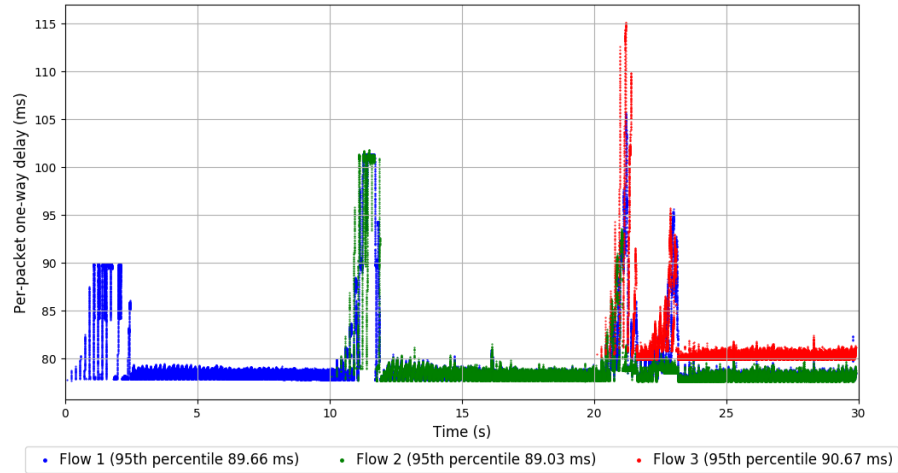
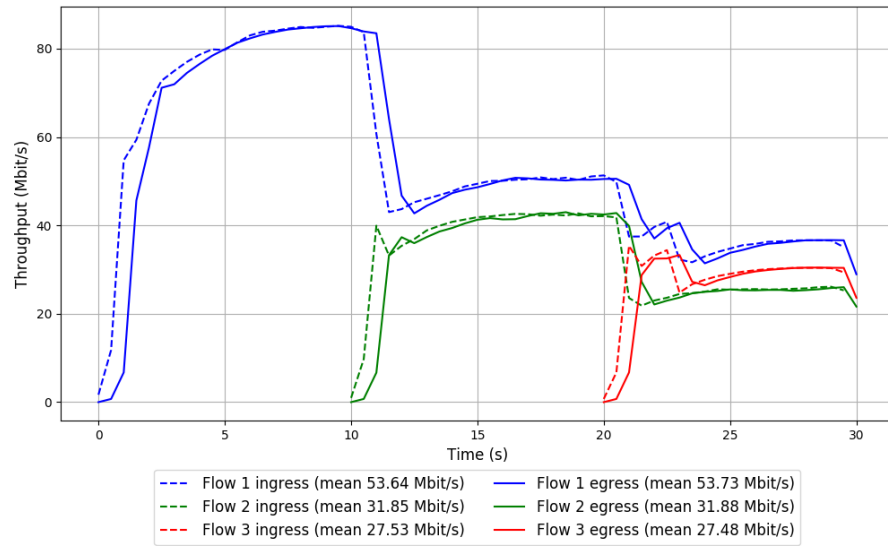


Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 11:59:01
End at: 2018-07-18 11:59:31
Local clock offset: -5.516 ms
Remote clock offset: 15.648 ms

Below is generated by plot.py at 2018-07-18 12:43:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 89.668 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 89.661 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 89.035 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 90.668 ms
Loss rate: 1.86%

Run 9: Report of TCP Cubic — Data Link

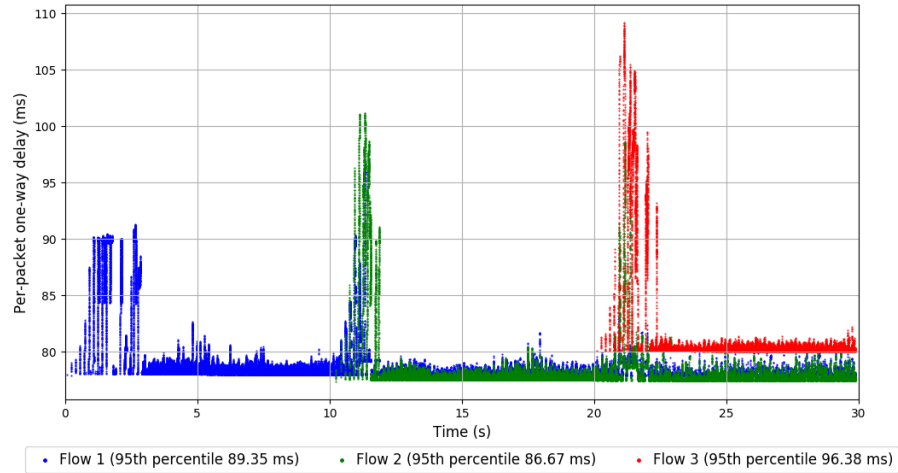
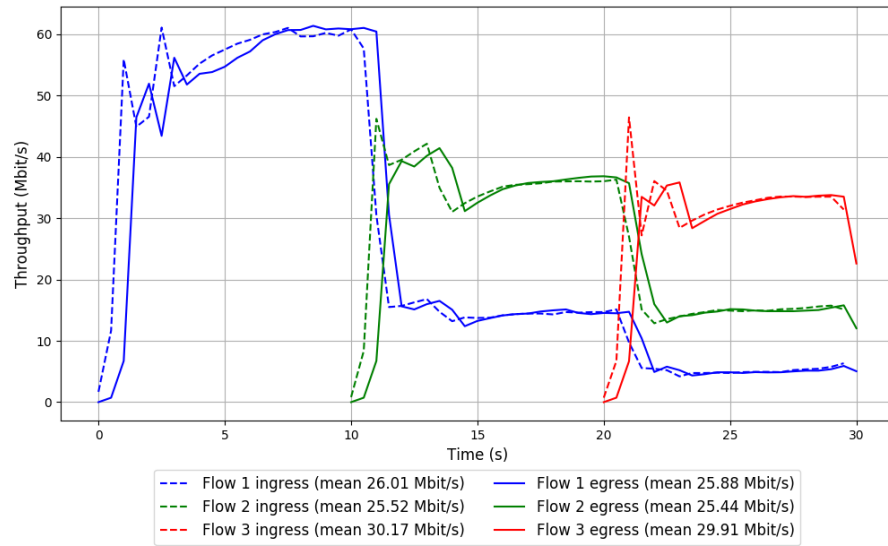


Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 12:20:21
End at: 2018-07-18 12:20:51
Local clock offset: -1.312 ms
Remote clock offset: 12.417 ms

Below is generated by plot.py at 2018-07-18 12:43:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.62 Mbit/s
95th percentile per-packet one-way delay: 89.757 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 25.88 Mbit/s
95th percentile per-packet one-way delay: 89.354 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 25.44 Mbit/s
95th percentile per-packet one-way delay: 86.672 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 96.382 ms
Loss rate: 2.50%

Run 10: Report of TCP Cubic — Data Link

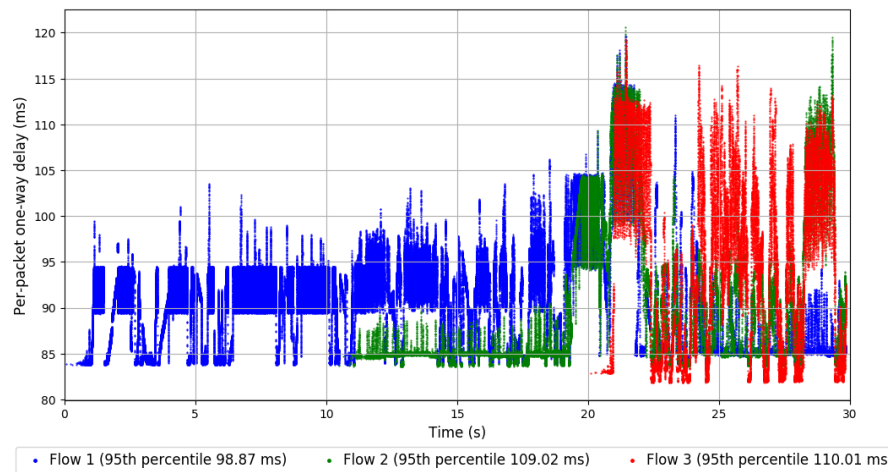
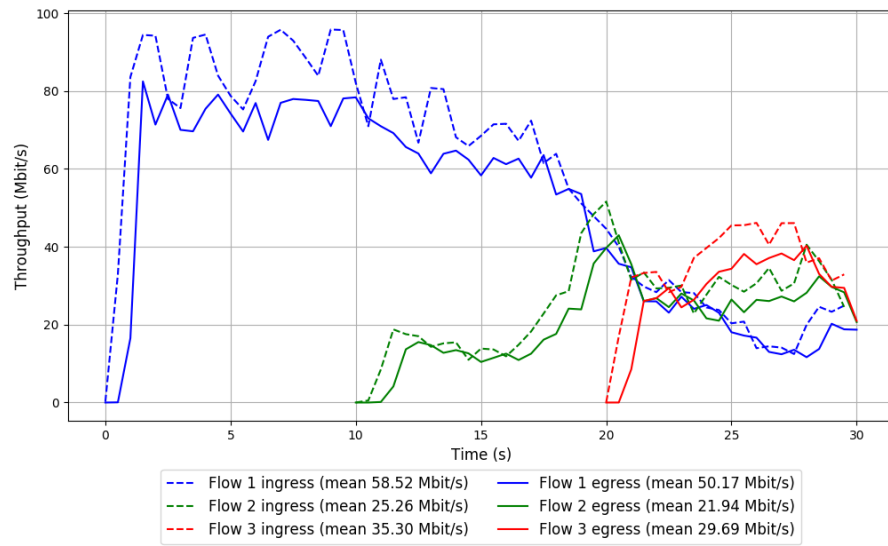


Run 1: Statistics of FillP

Start at: 2018-07-18 09:14:47
End at: 2018-07-18 09:15:17
Local clock offset: -7.332 ms
Remote clock offset: 10.087 ms

Below is generated by plot.py at 2018-07-18 12:43:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 105.430 ms
Loss rate: 15.26%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 98.873 ms
Loss rate: 14.74%
-- Flow 2:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 109.019 ms
Loss rate: 15.64%
-- Flow 3:
Average throughput: 29.69 Mbit/s
95th percentile per-packet one-way delay: 110.011 ms
Loss rate: 17.30%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-18 09:36:02

End at: 2018-07-18 09:36:32

Local clock offset: -7.51 ms

Remote clock offset: 9.799 ms

Below is generated by plot.py at 2018-07-18 12:44:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.66 Mbit/s

95th percentile per-packet one-way delay: 109.169 ms

Loss rate: 15.38%

-- Flow 1:

Average throughput: 50.84 Mbit/s

95th percentile per-packet one-way delay: 105.069 ms

Loss rate: 14.58%

-- Flow 2:

Average throughput: 25.07 Mbit/s

95th percentile per-packet one-way delay: 110.550 ms

Loss rate: 16.29%

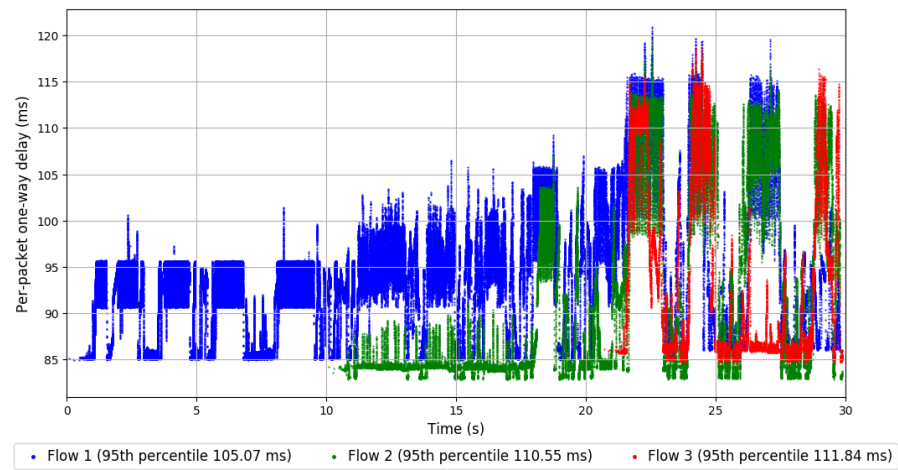
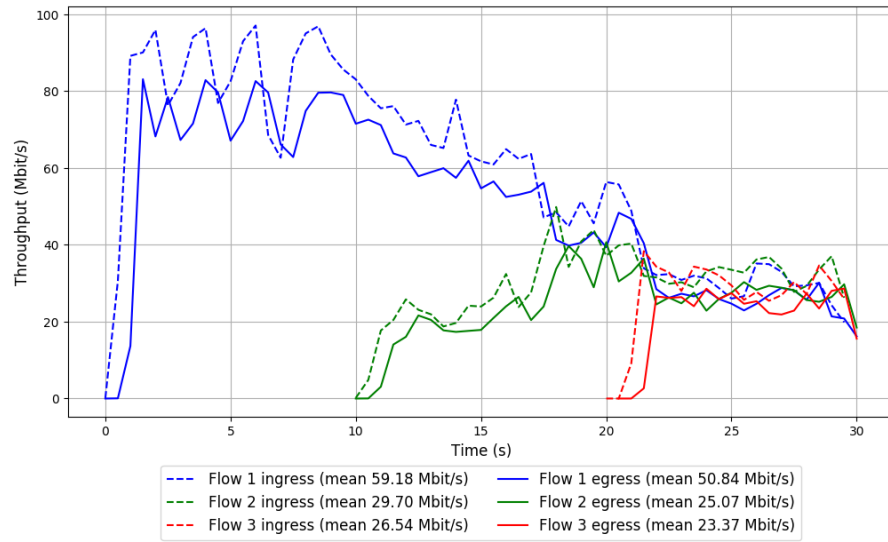
-- Flow 3:

Average throughput: 23.37 Mbit/s

95th percentile per-packet one-way delay: 111.837 ms

Loss rate: 18.77%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-18 09:57:23

End at: 2018-07-18 09:57:53

Local clock offset: -7.352 ms

Remote clock offset: 8.89 ms

Below is generated by plot.py at 2018-07-18 12:44:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 111.475 ms

Loss rate: 2.50%

-- Flow 1:

Average throughput: 57.76 Mbit/s

95th percentile per-packet one-way delay: 109.731 ms

Loss rate: 1.56%

-- Flow 2:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 111.001 ms

Loss rate: 3.81%

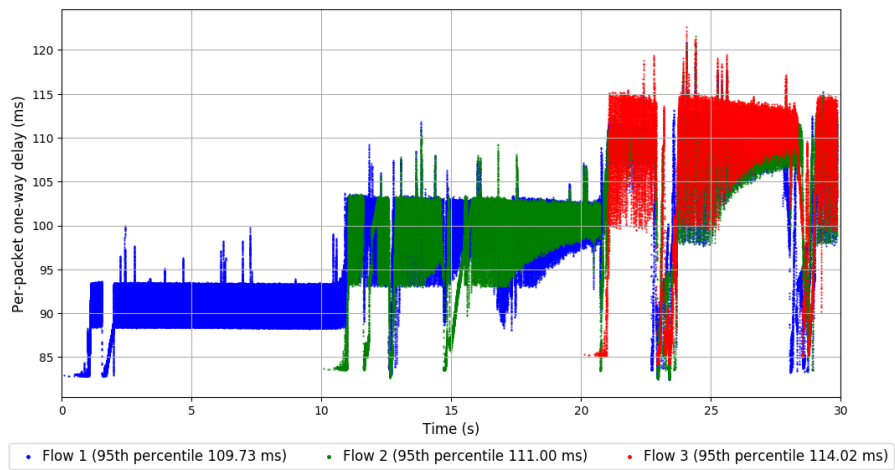
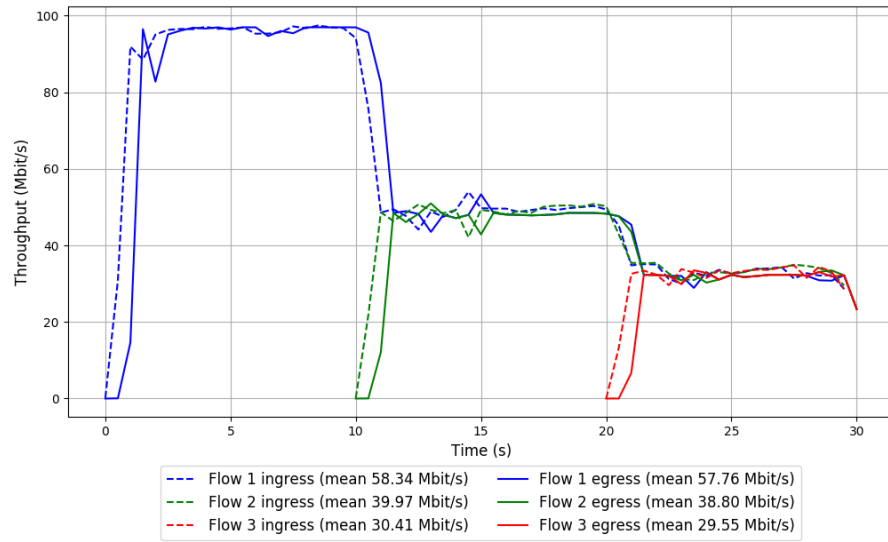
-- Flow 3:

Average throughput: 29.55 Mbit/s

95th percentile per-packet one-way delay: 114.019 ms

Loss rate: 4.44%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-18 10:18:32

End at: 2018-07-18 10:19:02

Local clock offset: -6.801 ms

Remote clock offset: 5.779 ms

Below is generated by plot.py at 2018-07-18 12:44:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 107.782 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 57.70 Mbit/s

95th percentile per-packet one-way delay: 106.960 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 38.76 Mbit/s

95th percentile per-packet one-way delay: 106.509 ms

Loss rate: 3.56%

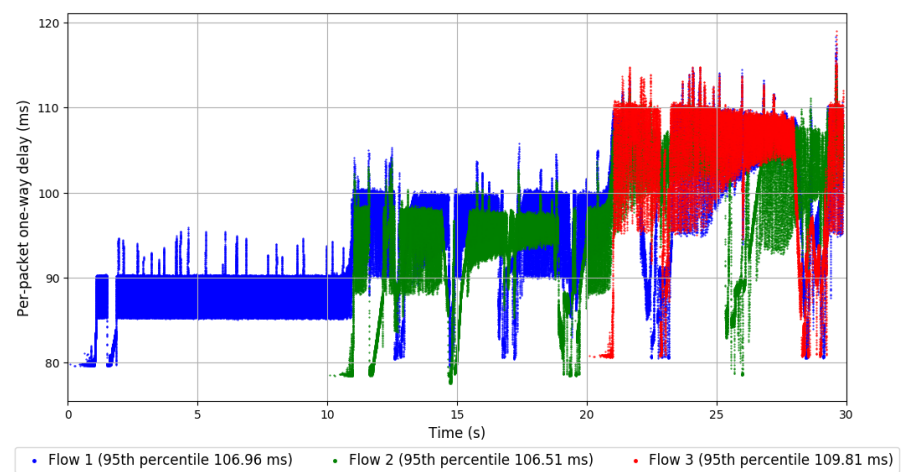
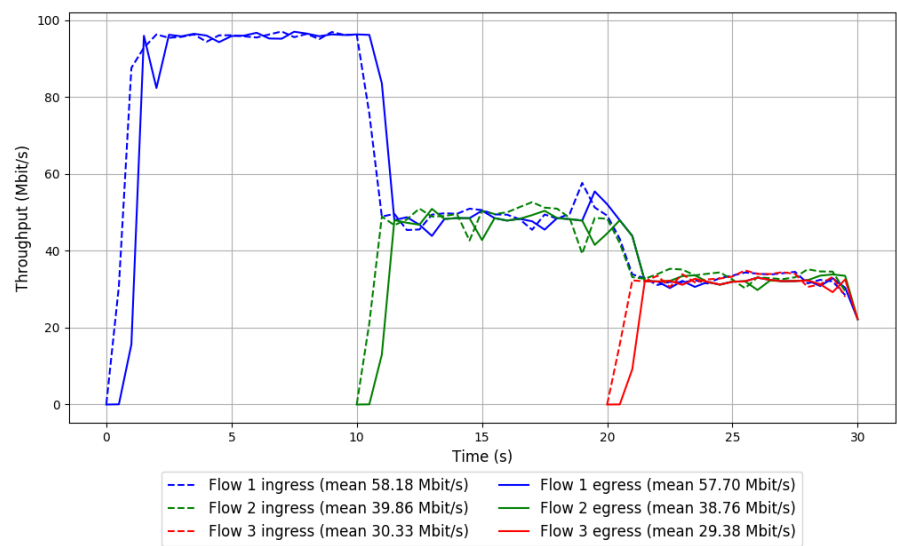
-- Flow 3:

Average throughput: 29.38 Mbit/s

95th percentile per-packet one-way delay: 109.810 ms

Loss rate: 4.82%

Run 4: Report of FillP — Data Link

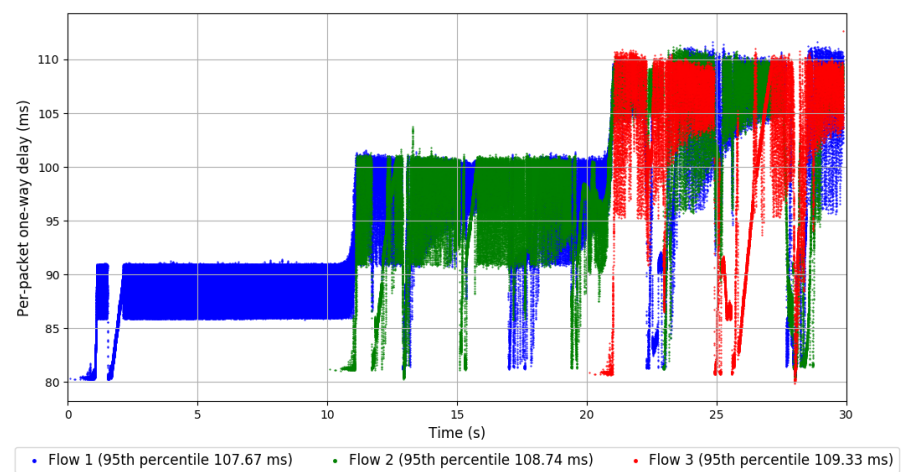
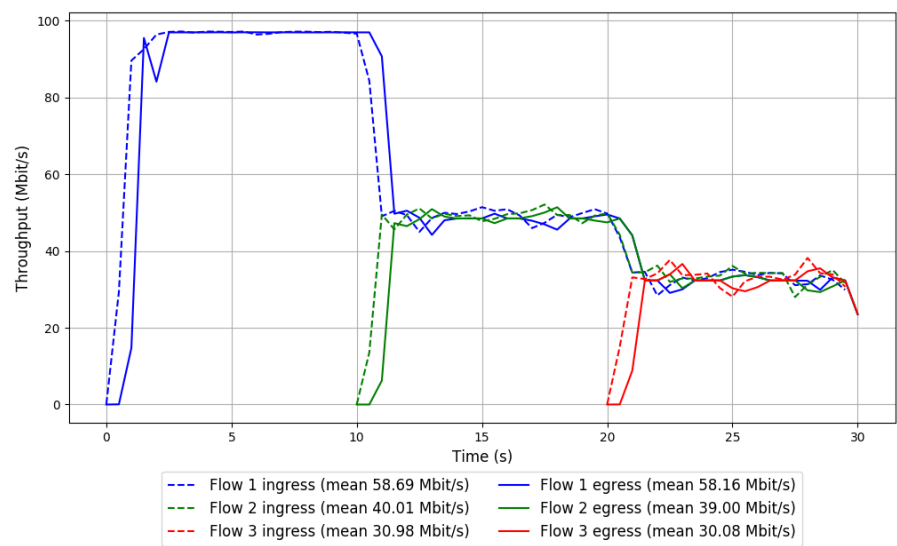


Run 5: Statistics of FillP

Start at: 2018-07-18 10:39:53
End at: 2018-07-18 10:40:23
Local clock offset: -2.732 ms
Remote clock offset: 12.185 ms

Below is generated by plot.py at 2018-07-18 12:44:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 108.564 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 107.667 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 108.736 ms
Loss rate: 3.34%
-- Flow 3:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 109.325 ms
Loss rate: 4.48%

Run 5: Report of FillP — Data Link

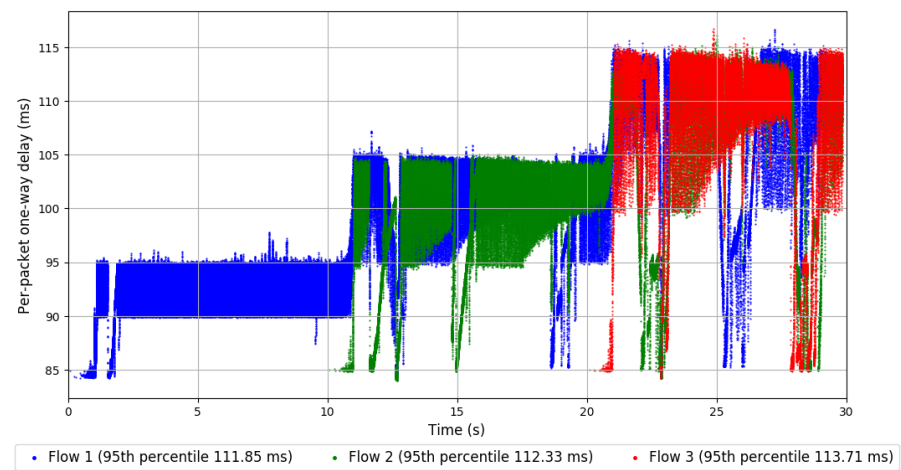
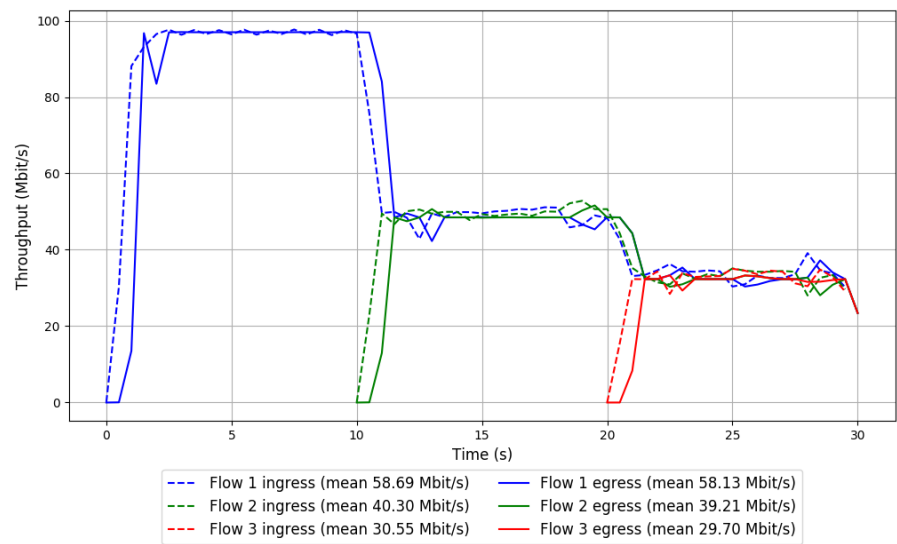


Run 6: Statistics of FillP

Start at: 2018-07-18 11:01:06
End at: 2018-07-18 11:01:36
Local clock offset: -1.825 ms
Remote clock offset: 12.669 ms

Below is generated by plot.py at 2018-07-18 12:44:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 112.557 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 111.851 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 112.334 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 113.707 ms
Loss rate: 4.41%

Run 6: Report of FillP — Data Link

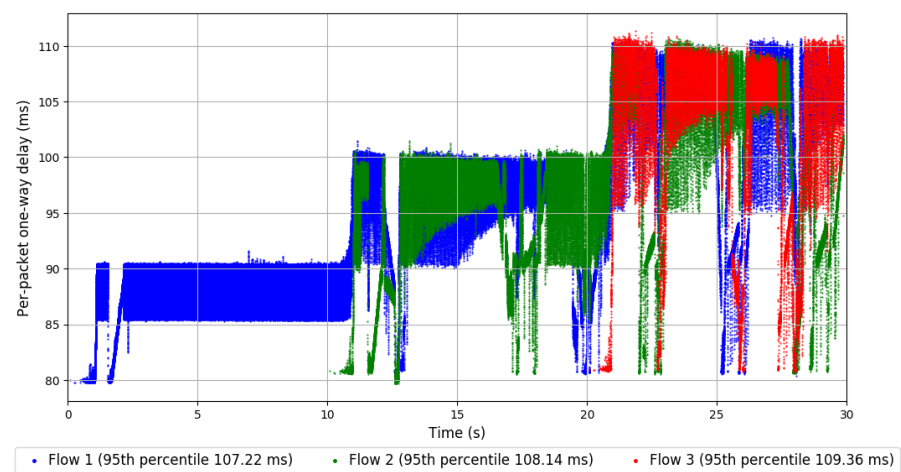
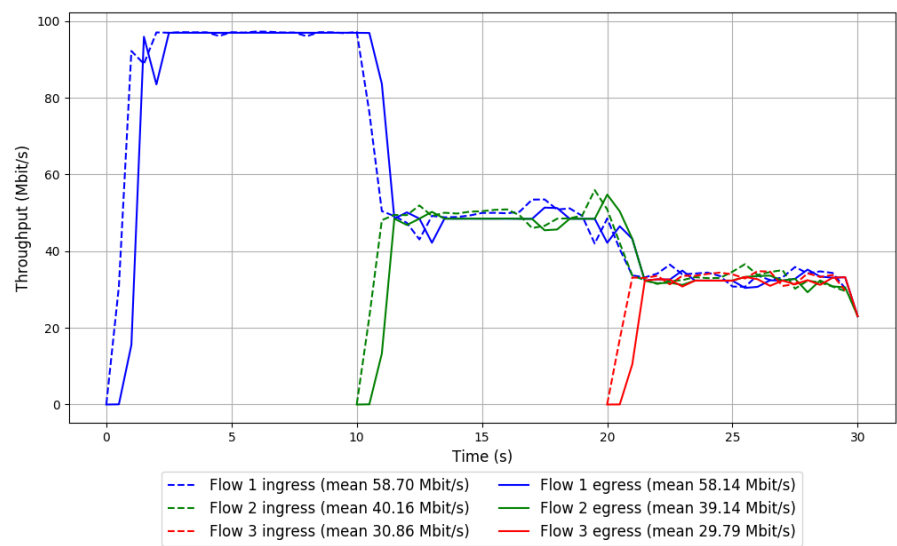


Run 7: Statistics of FillP

Start at: 2018-07-18 11:22:39
End at: 2018-07-18 11:23:09
Local clock offset: -1.876 ms
Remote clock offset: 7.908 ms

Below is generated by plot.py at 2018-07-18 12:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 108.156 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 107.216 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 108.138 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 109.362 ms
Loss rate: 5.19%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-18 11:43:50

End at: 2018-07-18 11:44:20

Local clock offset: -6.796 ms

Remote clock offset: 6.465 ms

Below is generated by plot.py at 2018-07-18 12:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.93 Mbit/s

95th percentile per-packet one-way delay: 111.517 ms

Loss rate: 2.55%

-- Flow 1:

Average throughput: 58.16 Mbit/s

95th percentile per-packet one-way delay: 110.044 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 39.22 Mbit/s

95th percentile per-packet one-way delay: 112.801 ms

Loss rate: 3.64%

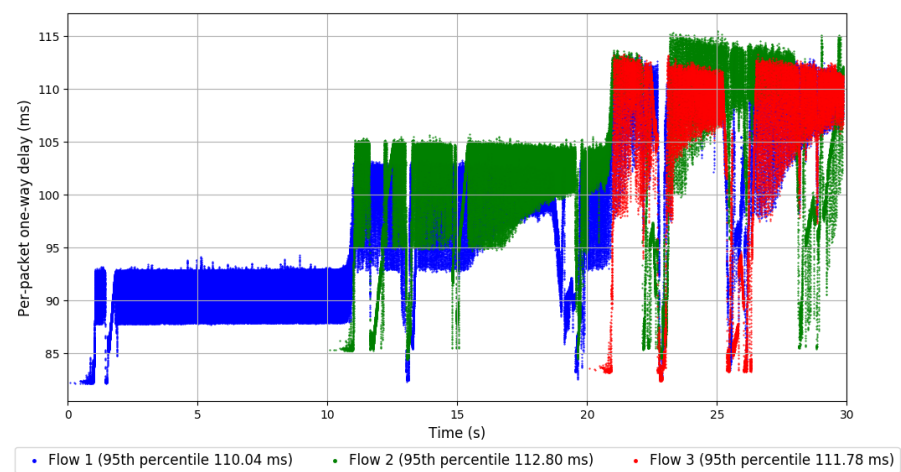
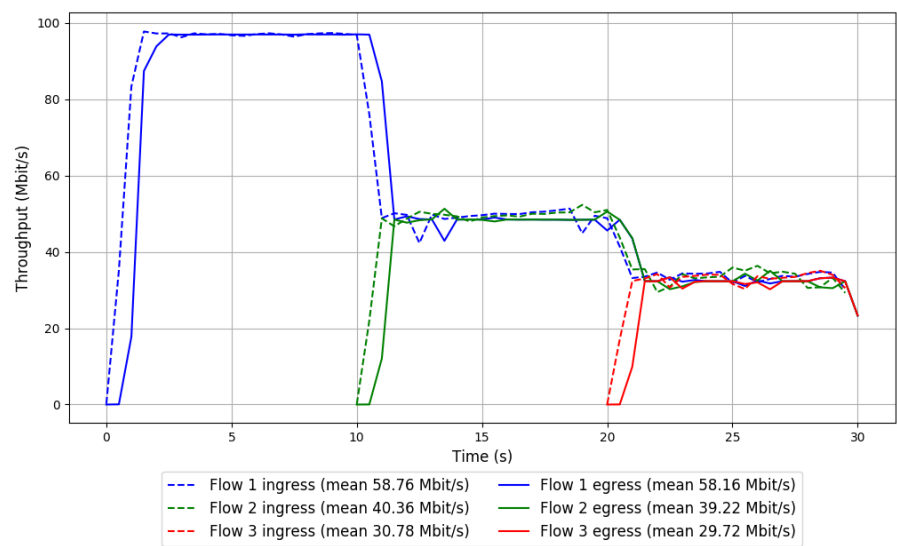
-- Flow 3:

Average throughput: 29.72 Mbit/s

95th percentile per-packet one-way delay: 111.782 ms

Loss rate: 5.17%

Run 8: Report of FillP — Data Link

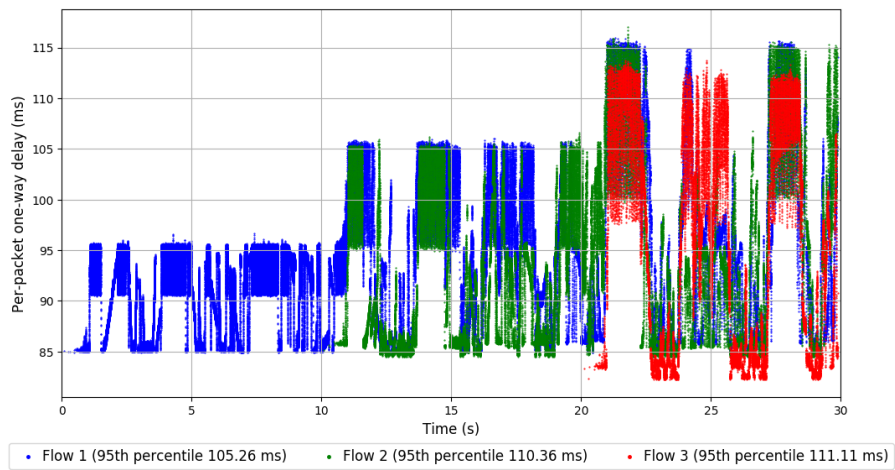
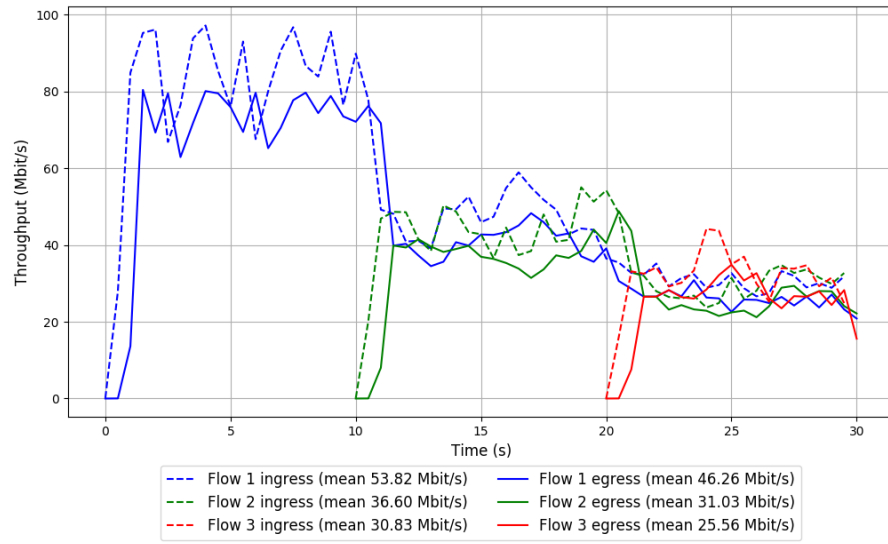


Run 9: Statistics of FillP

Start at: 2018-07-18 12:05:12
End at: 2018-07-18 12:05:42
Local clock offset: -3.463 ms
Remote clock offset: 11.702 ms

Below is generated by plot.py at 2018-07-18 12:45:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.23 Mbit/s
95th percentile per-packet one-way delay: 109.155 ms
Loss rate: 15.36%
-- Flow 1:
Average throughput: 46.26 Mbit/s
95th percentile per-packet one-way delay: 105.264 ms
Loss rate: 14.54%
-- Flow 2:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 110.358 ms
Loss rate: 15.90%
-- Flow 3:
Average throughput: 25.56 Mbit/s
95th percentile per-packet one-way delay: 111.110 ms
Loss rate: 18.41%

Run 9: Report of FillP — Data Link

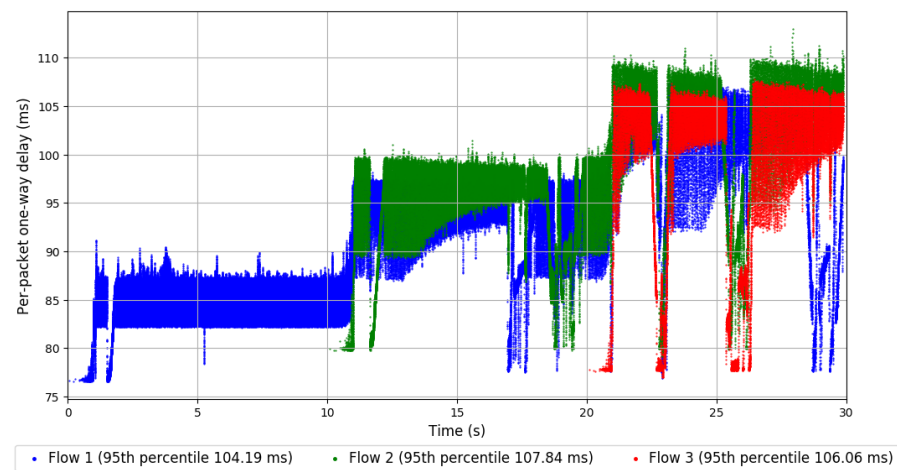
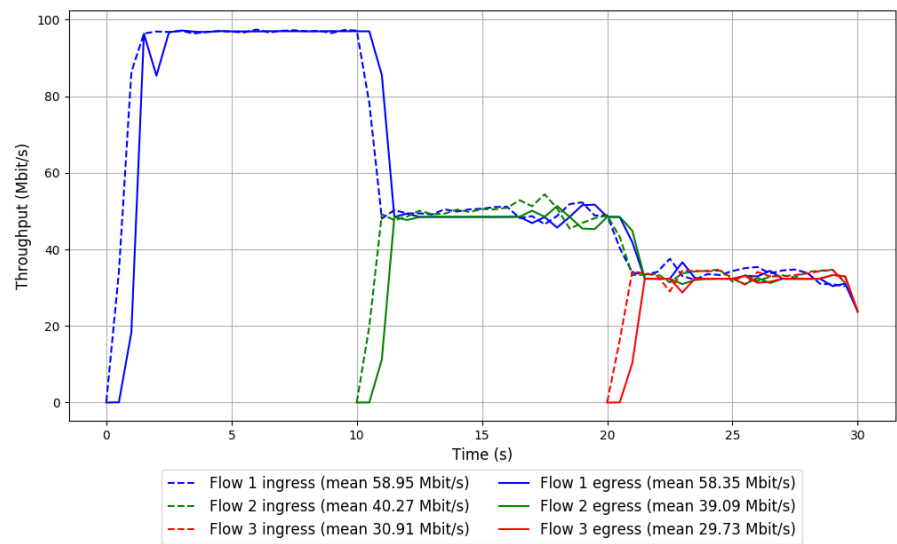


Run 10: Statistics of FillP

Start at: 2018-07-18 12:26:31
End at: 2018-07-18 12:27:01
Local clock offset: -1.966 ms
Remote clock offset: 11.757 ms

Below is generated by plot.py at 2018-07-18 12:45:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 106.063 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 104.188 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 107.840 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 106.059 ms
Loss rate: 5.53%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 09:04:54

End at: 2018-07-18 09:05:24

Local clock offset: -5.838 ms

Remote clock offset: 9.034 ms

Below is generated by plot.py at 2018-07-18 12:45:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 110.204 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 108.885 ms

Loss rate: 1.24%

-- Flow 2:

Average throughput: 38.90 Mbit/s

95th percentile per-packet one-way delay: 110.644 ms

Loss rate: 1.82%

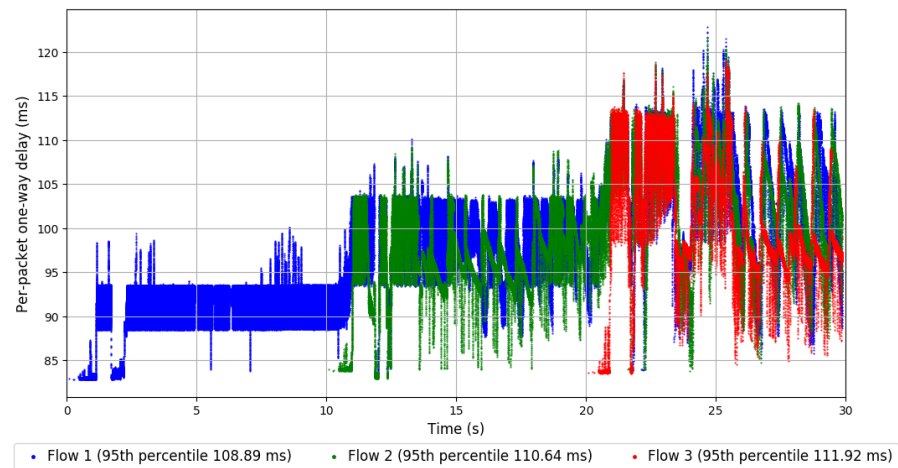
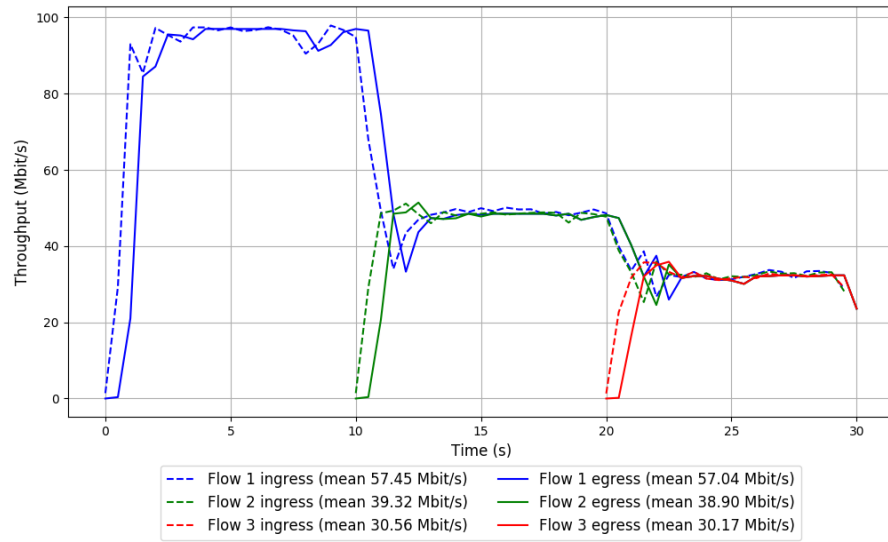
-- Flow 3:

Average throughput: 30.17 Mbit/s

95th percentile per-packet one-way delay: 111.919 ms

Loss rate: 2.88%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 09:26:07

End at: 2018-07-18 09:26:37

Local clock offset: -8.077 ms

Remote clock offset: 9.429 ms

Below is generated by plot.py at 2018-07-18 12:45:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.22 Mbit/s

95th percentile per-packet one-way delay: 111.006 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 110.992 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 39.04 Mbit/s

95th percentile per-packet one-way delay: 109.101 ms

Loss rate: 1.93%

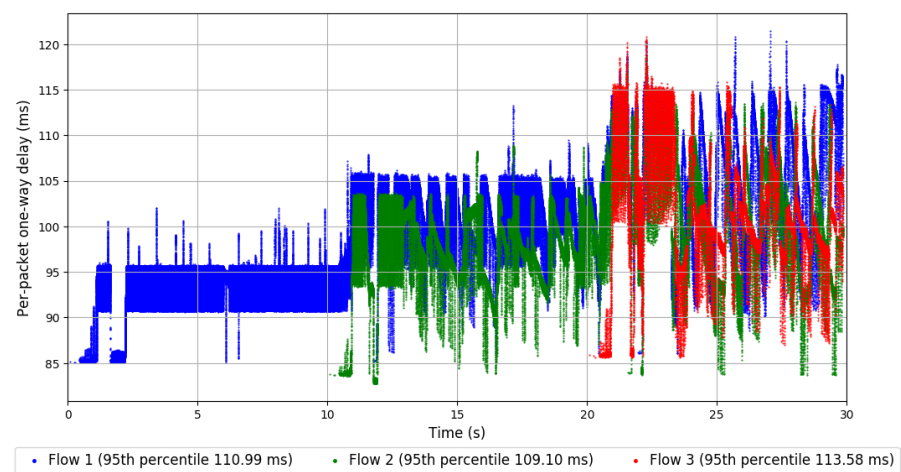
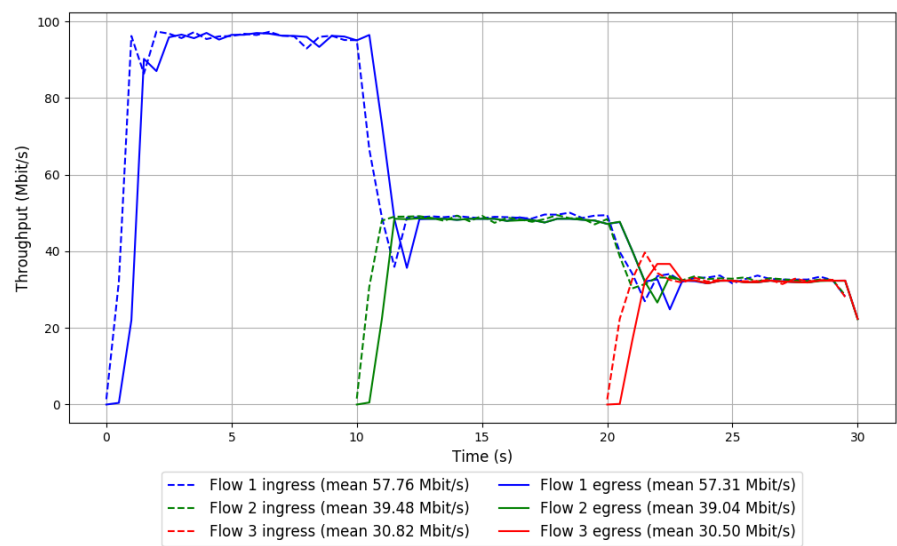
-- Flow 3:

Average throughput: 30.50 Mbit/s

95th percentile per-packet one-way delay: 113.577 ms

Loss rate: 2.65%

Run 2: Report of FillP-Sheep — Data Link

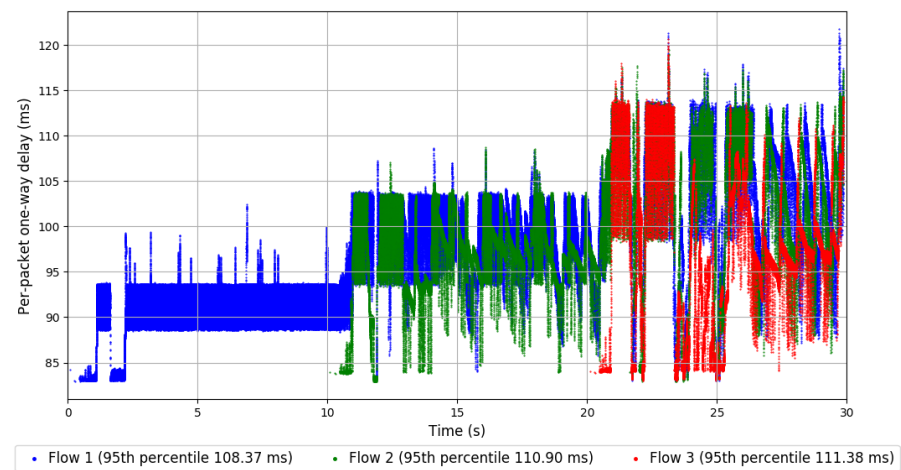
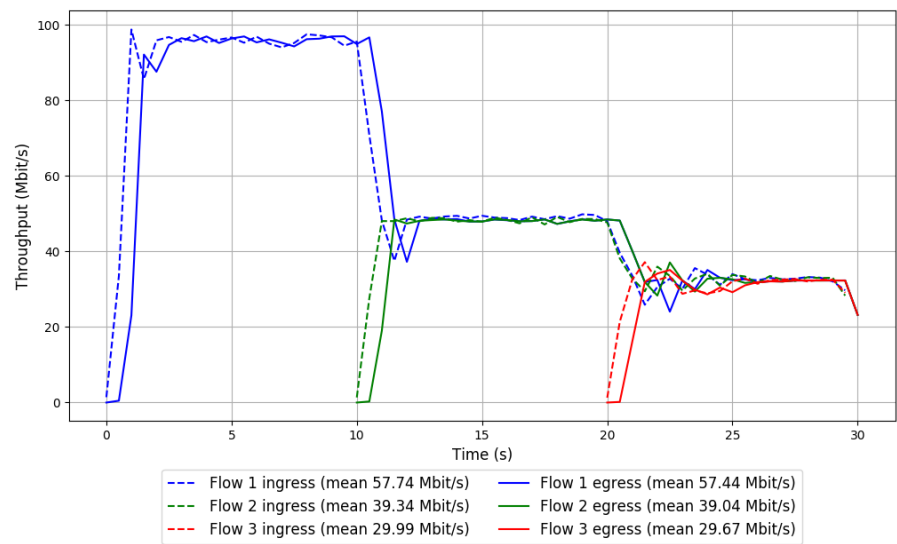


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 09:47:30
End at: 2018-07-18 09:48:00
Local clock offset: -7.455 ms
Remote clock offset: 10.146 ms

Below is generated by plot.py at 2018-07-18 12:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 109.850 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 108.370 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 110.902 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 111.375 ms
Loss rate: 2.61%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 10:08:42

End at: 2018-07-18 10:09:12

Local clock offset: -6.923 ms

Remote clock offset: 6.9 ms

Below is generated by plot.py at 2018-07-18 12:45:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.07 Mbit/s

95th percentile per-packet one-way delay: 106.605 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 57.25 Mbit/s

95th percentile per-packet one-way delay: 103.216 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 39.04 Mbit/s

95th percentile per-packet one-way delay: 108.570 ms

Loss rate: 1.88%

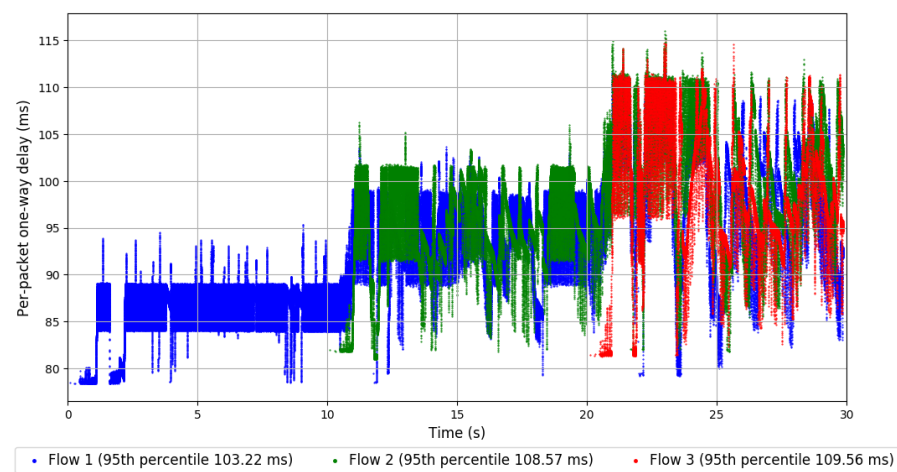
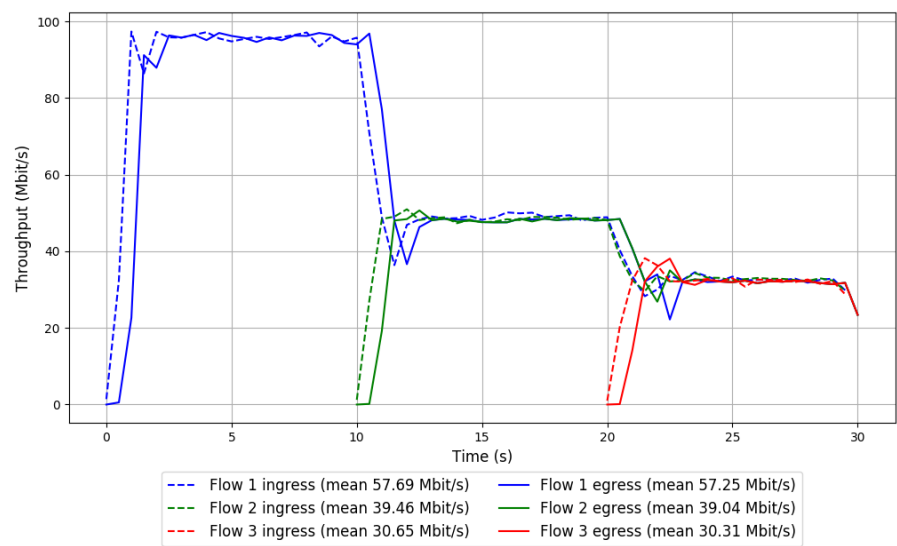
-- Flow 3:

Average throughput: 30.31 Mbit/s

95th percentile per-packet one-way delay: 109.559 ms

Loss rate: 2.77%

Run 4: Report of FillP-Sheep — Data Link

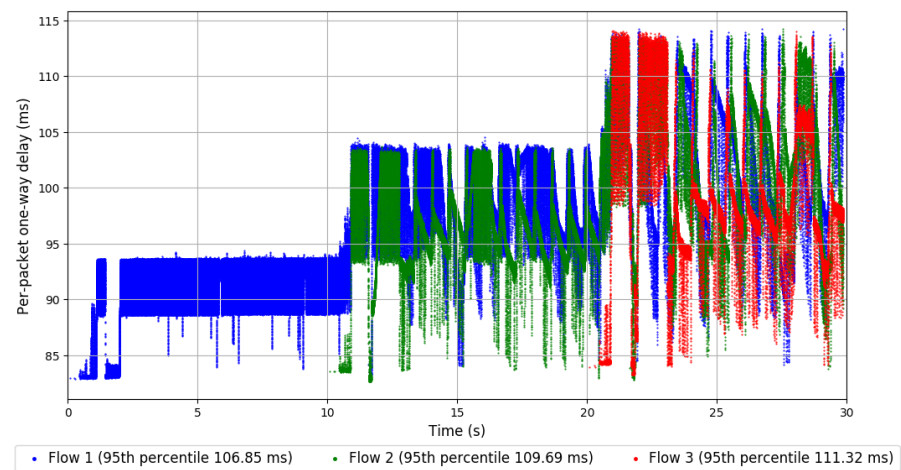
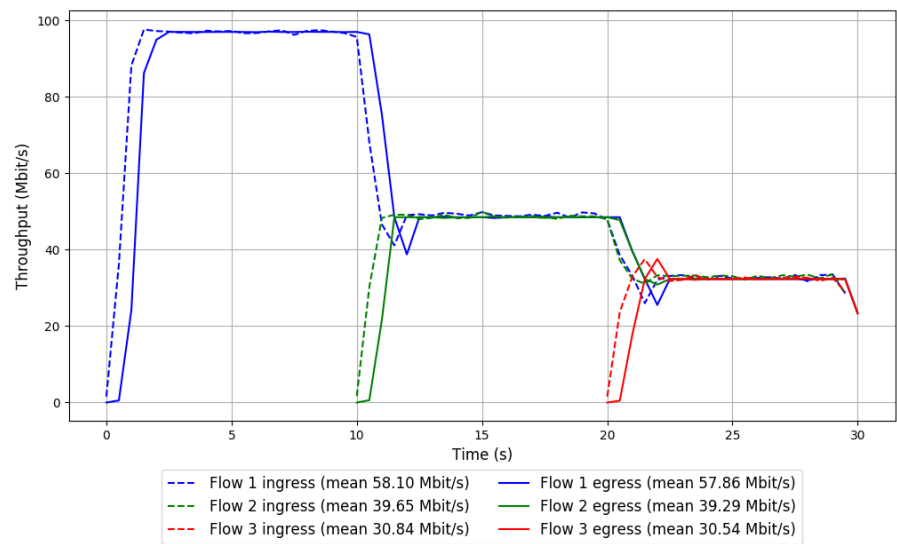


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 10:29:59
End at: 2018-07-18 10:30:29
Local clock offset: -4.859 ms
Remote clock offset: -0.662 ms

Below is generated by plot.py at 2018-07-18 12:45:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 108.762 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 106.851 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 109.686 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 111.318 ms
Loss rate: 2.50%

Run 5: Report of FillP-Sheep — Data Link

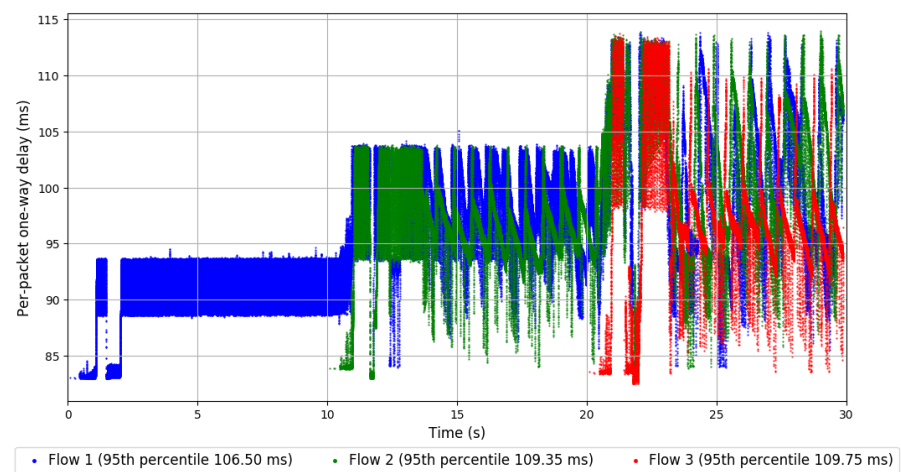
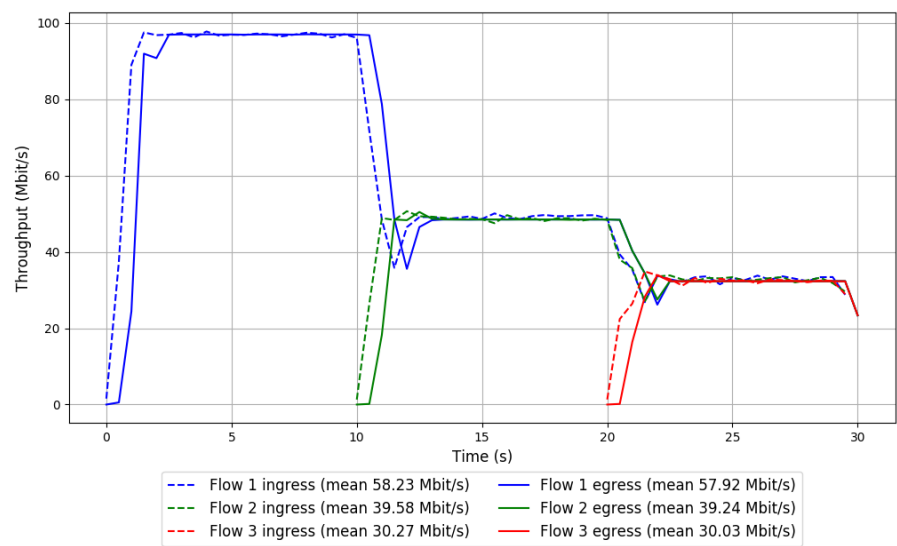


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 10:51:11
End at: 2018-07-18 10:51:41
Local clock offset: -1.648 ms
Remote clock offset: 10.446 ms

Below is generated by plot.py at 2018-07-18 12:46:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 108.013 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 106.502 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 109.353 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 109.754 ms
Loss rate: 2.39%

Run 6: Report of FillP-Sheep — Data Link

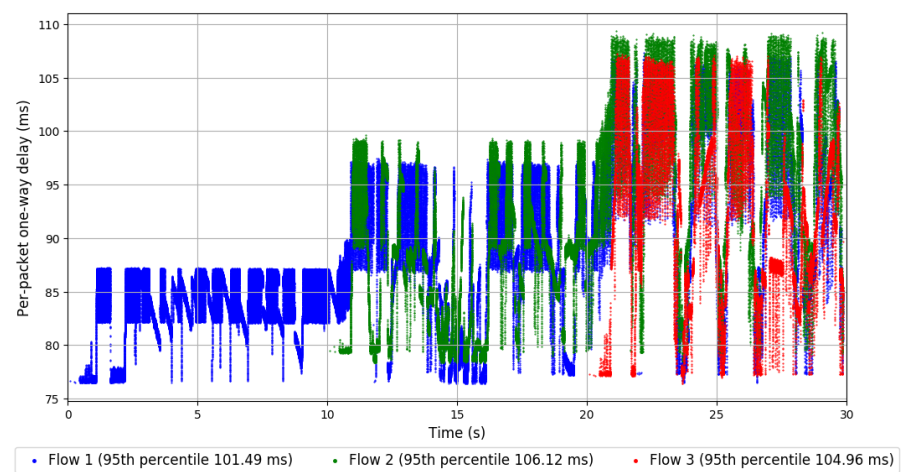
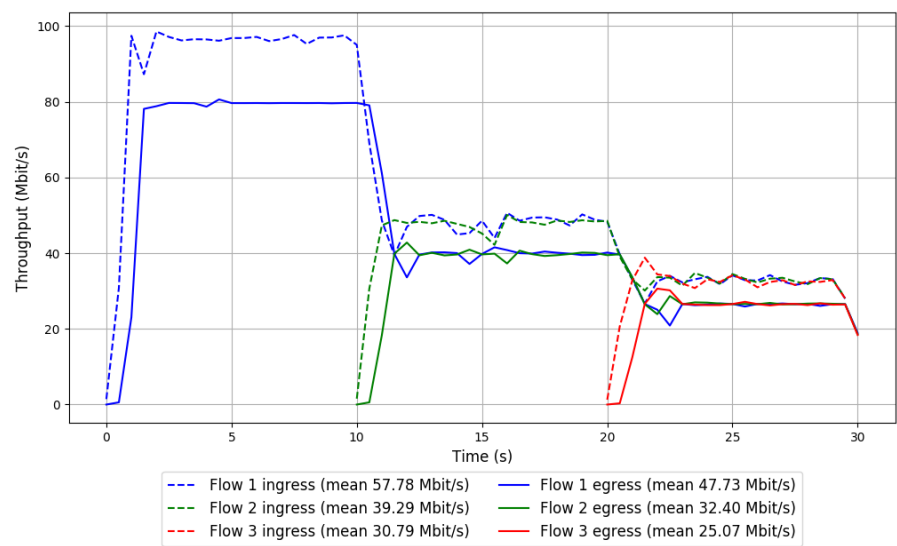


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 11:12:34
End at: 2018-07-18 11:13:04
Local clock offset: -2.063 ms
Remote clock offset: 12.186 ms

Below is generated by plot.py at 2018-07-18 12:46:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 103.937 ms
Loss rate: 18.17%
-- Flow 1:
Average throughput: 47.73 Mbit/s
95th percentile per-packet one-way delay: 101.491 ms
Loss rate: 17.84%
-- Flow 2:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 106.118 ms
Loss rate: 18.24%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 104.964 ms
Loss rate: 19.88%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 11:33:55

End at: 2018-07-18 11:34:25

Local clock offset: -5.234 ms

Remote clock offset: 6.492 ms

Below is generated by plot.py at 2018-07-18 12:46:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.85 Mbit/s

95th percentile per-packet one-way delay: 105.356 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 104.104 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 39.30 Mbit/s

95th percentile per-packet one-way delay: 105.584 ms

Loss rate: 1.36%

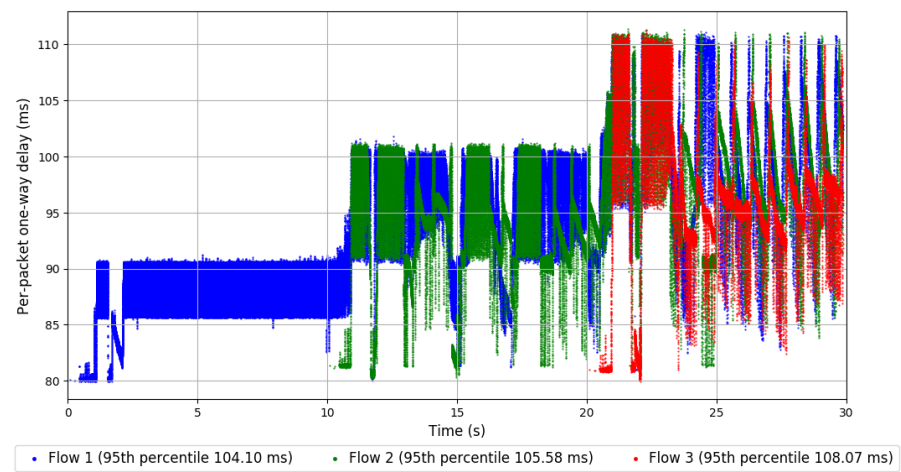
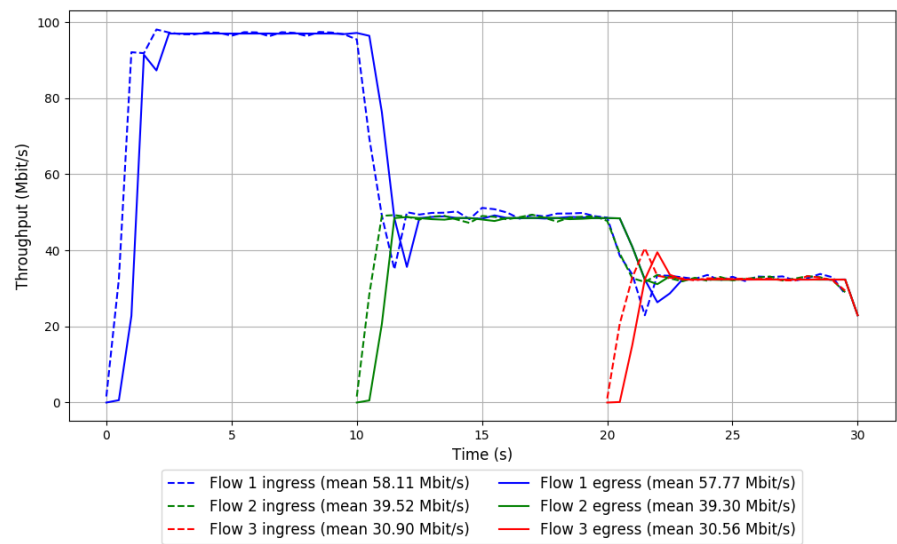
-- Flow 3:

Average throughput: 30.56 Mbit/s

95th percentile per-packet one-way delay: 108.072 ms

Loss rate: 2.75%

Run 8: Report of FillP-Sheep — Data Link

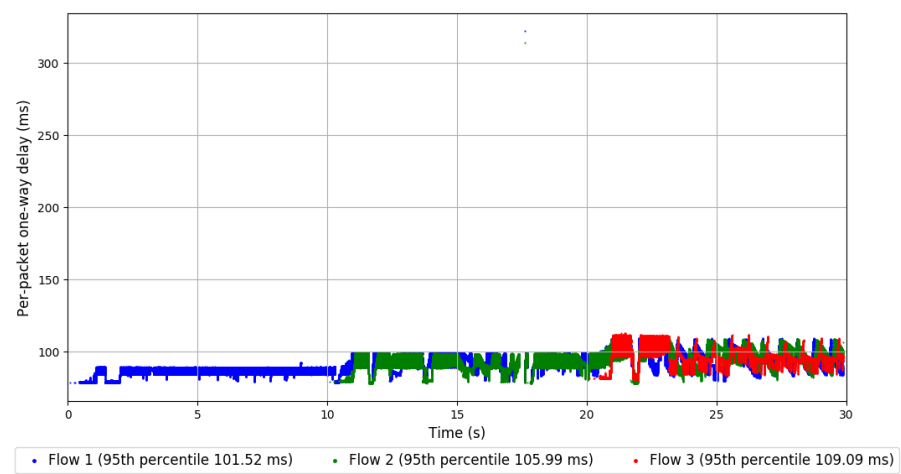
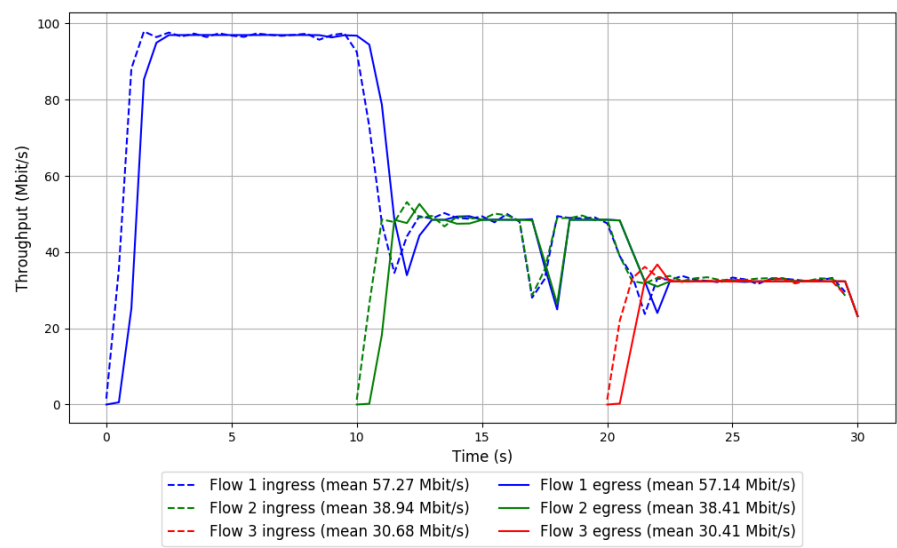


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 11:55:18
End at: 2018-07-18 11:55:48
Local clock offset: -7.611 ms
Remote clock offset: 13.845 ms

Below is generated by plot.py at 2018-07-18 12:46:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 104.801 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 101.519 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 105.987 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 109.088 ms
Loss rate: 2.52%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 12:16:38

End at: 2018-07-18 12:17:08

Local clock offset: -1.649 ms

Remote clock offset: 9.322 ms

Below is generated by plot.py at 2018-07-18 12:46:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 109.763 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 57.72 Mbit/s

95th percentile per-packet one-way delay: 109.207 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 39.28 Mbit/s

95th percentile per-packet one-way delay: 108.849 ms

Loss rate: 1.55%

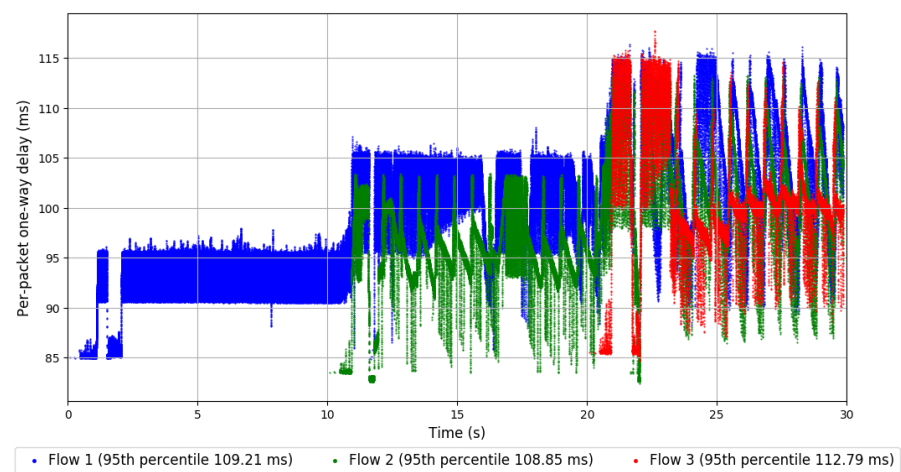
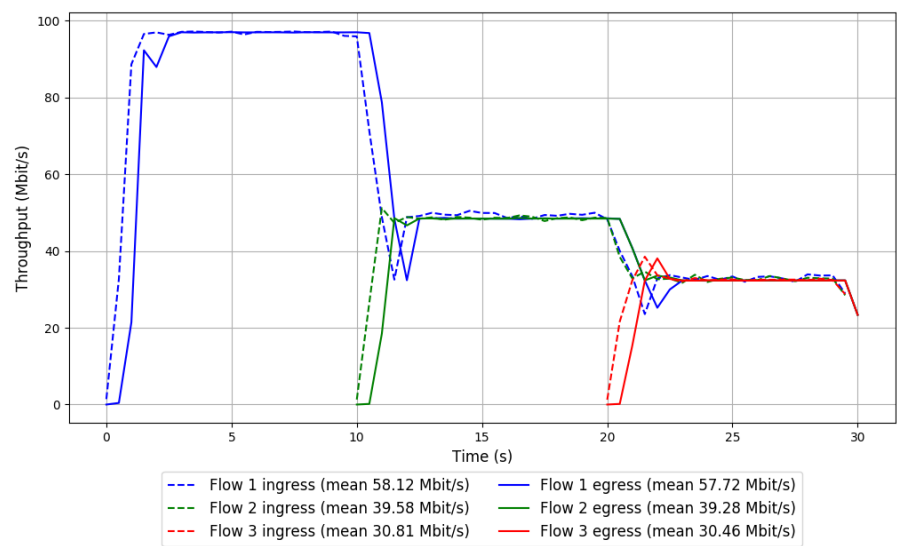
-- Flow 3:

Average throughput: 30.46 Mbit/s

95th percentile per-packet one-way delay: 112.787 ms

Loss rate: 2.78%

Run 10: Report of FillP-Sheep — Data Link

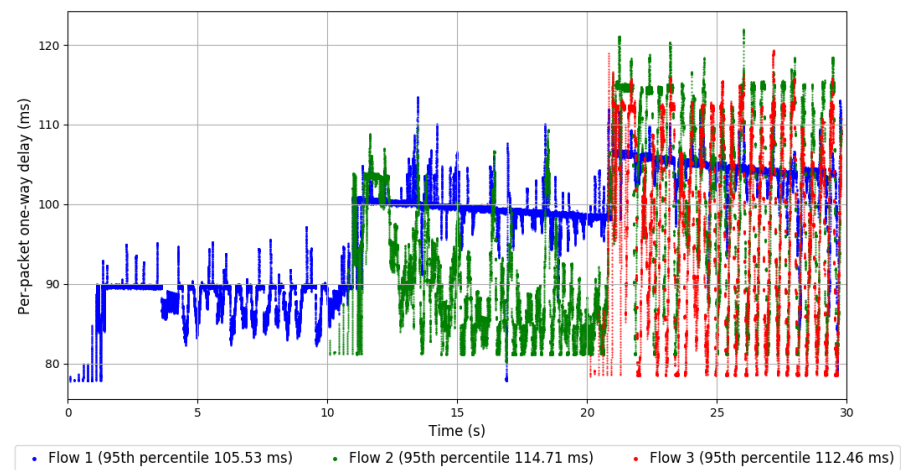
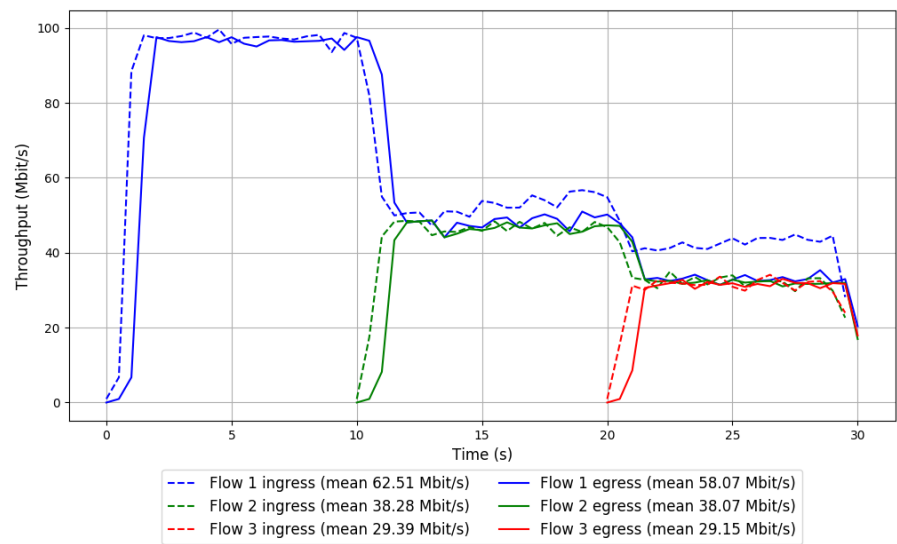


Run 1: Statistics of Indigo

Start at: 2018-07-18 09:19:55
End at: 2018-07-18 09:20:25
Local clock offset: -7.743 ms
Remote clock offset: 14.171 ms

Below is generated by plot.py at 2018-07-18 12:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 111.434 ms
Loss rate: 5.47%
-- Flow 1:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 105.528 ms
Loss rate: 7.60%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 114.708 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 112.456 ms
Loss rate: 2.43%

Run 1: Report of Indigo — Data Link

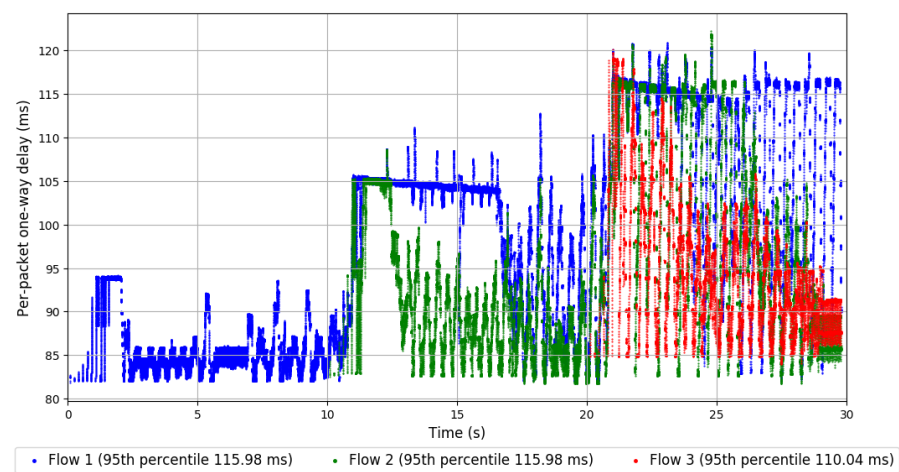
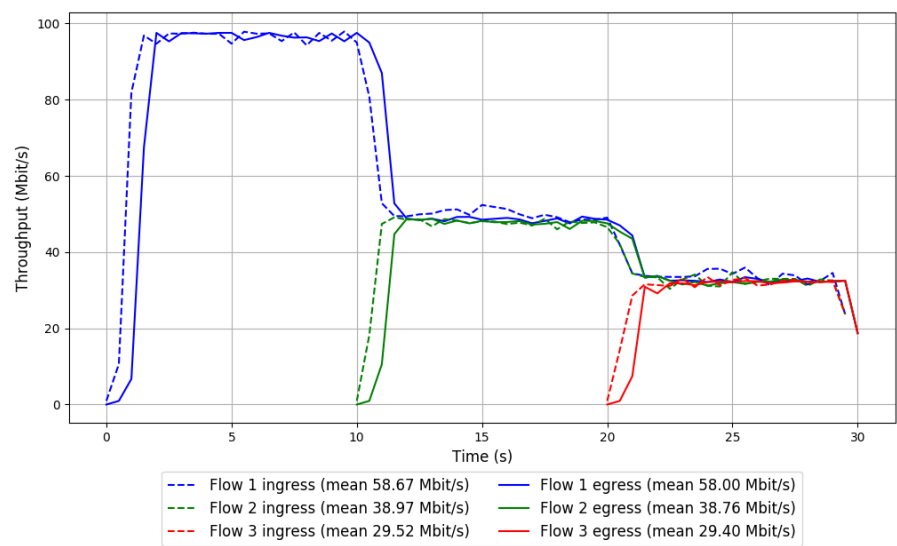


Run 2: Statistics of Indigo

Start at: 2018-07-18 09:41:19
End at: 2018-07-18 09:41:49
Local clock offset: -7.38 ms
Remote clock offset: 11.024 ms

Below is generated by plot.py at 2018-07-18 12:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 115.918 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 115.985 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 115.979 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 110.043 ms
Loss rate: 2.07%

Run 2: Report of Indigo — Data Link

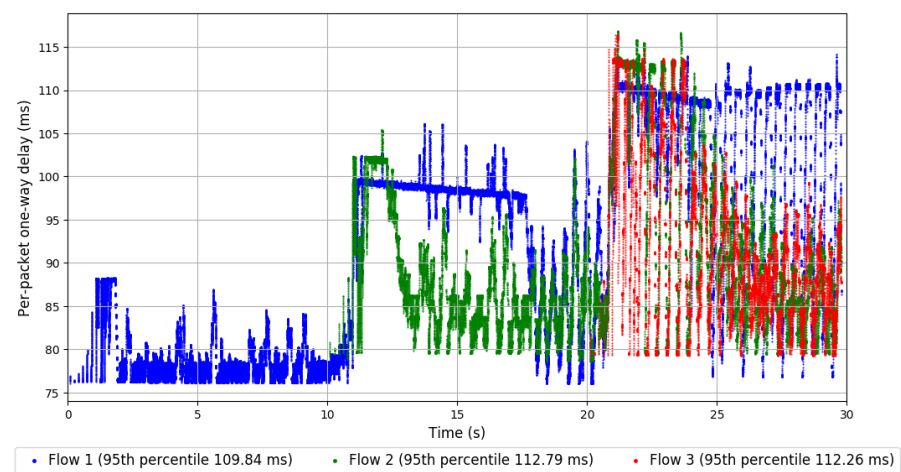
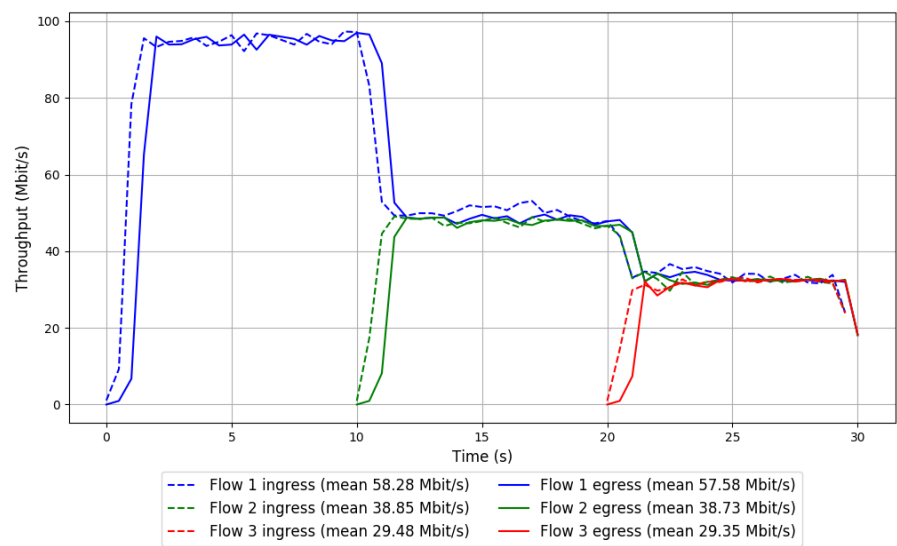


Run 3: Statistics of Indigo

Start at: 2018-07-18 10:02:31
End at: 2018-07-18 10:03:01
Local clock offset: -7.036 ms
Remote clock offset: 11.702 ms

Below is generated by plot.py at 2018-07-18 12:47:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 110.119 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 109.845 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 112.789 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 112.256 ms
Loss rate: 2.14%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-18 10:23:40

End at: 2018-07-18 10:24:10

Local clock offset: -6.829 ms

Remote clock offset: 5.151 ms

Below is generated by plot.py at 2018-07-18 12:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 114.590 ms

Loss rate: 1.70%

-- Flow 1:

Average throughput: 55.94 Mbit/s

95th percentile per-packet one-way delay: 114.189 ms

Loss rate: 1.52%

-- Flow 2:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 115.032 ms

Loss rate: 1.91%

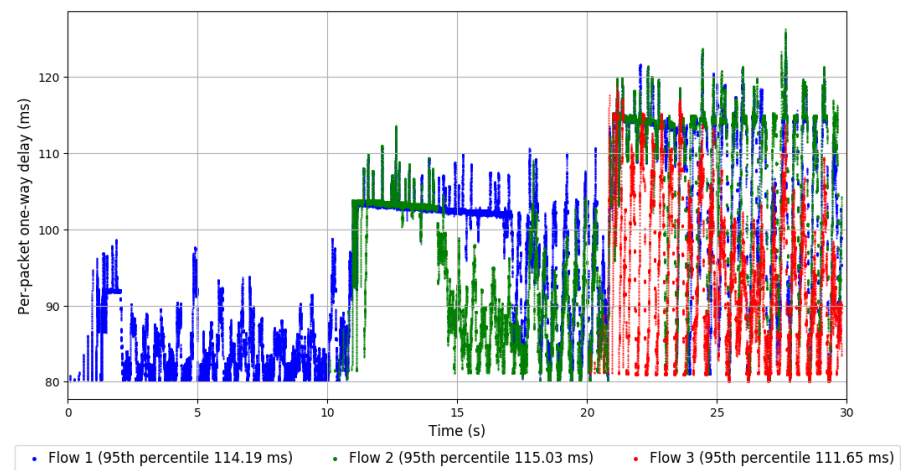
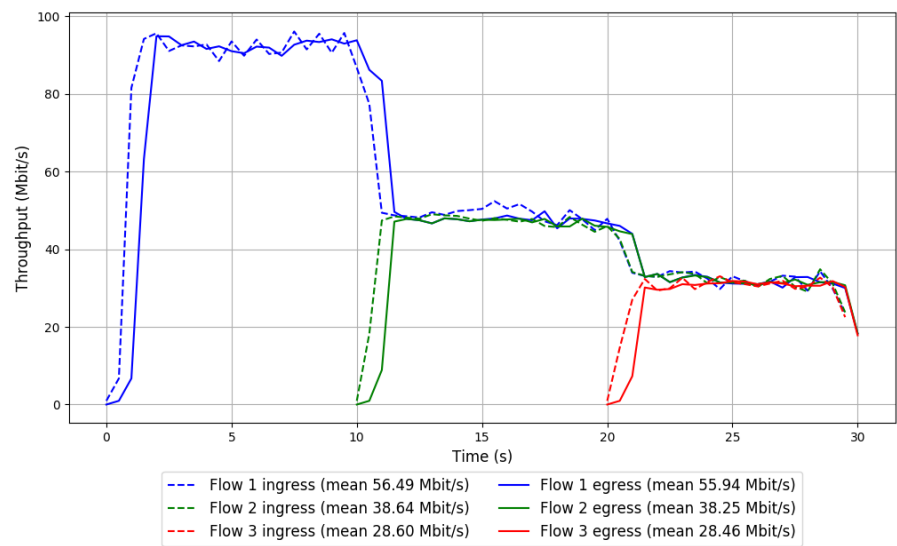
-- Flow 3:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 111.650 ms

Loss rate: 2.16%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-18 10:45:00

End at: 2018-07-18 10:45:30

Local clock offset: -2.14 ms

Remote clock offset: 8.931 ms

Below is generated by plot.py at 2018-07-18 12:47:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 118.749 ms

Loss rate: 2.10%

-- Flow 1:

Average throughput: 58.40 Mbit/s

95th percentile per-packet one-way delay: 119.179 ms

Loss rate: 2.28%

-- Flow 2:

Average throughput: 39.28 Mbit/s

95th percentile per-packet one-way delay: 117.359 ms

Loss rate: 1.52%

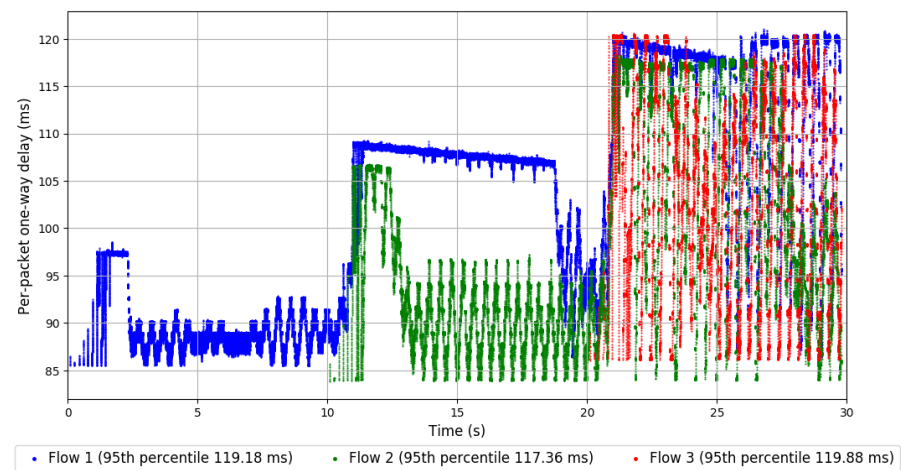
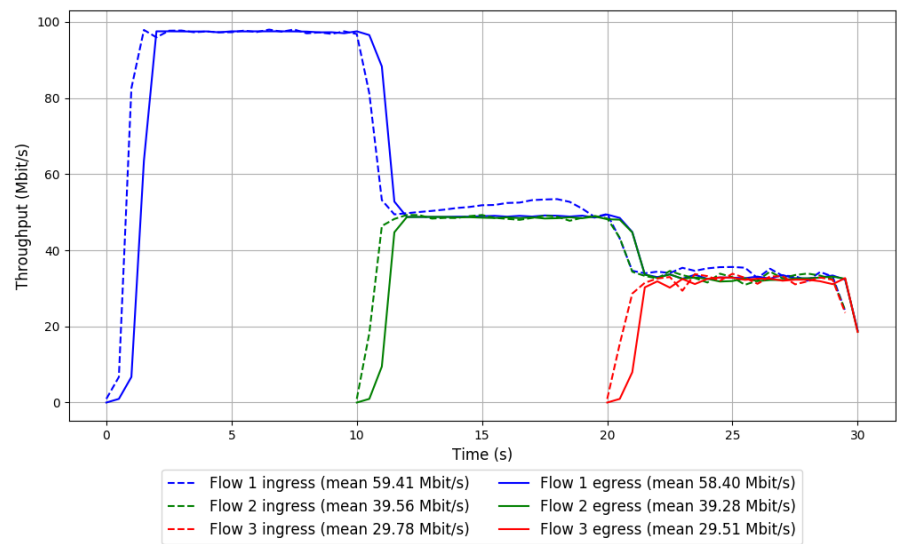
-- Flow 3:

Average throughput: 29.51 Mbit/s

95th percentile per-packet one-way delay: 119.879 ms

Loss rate: 2.57%

Run 5: Report of Indigo — Data Link

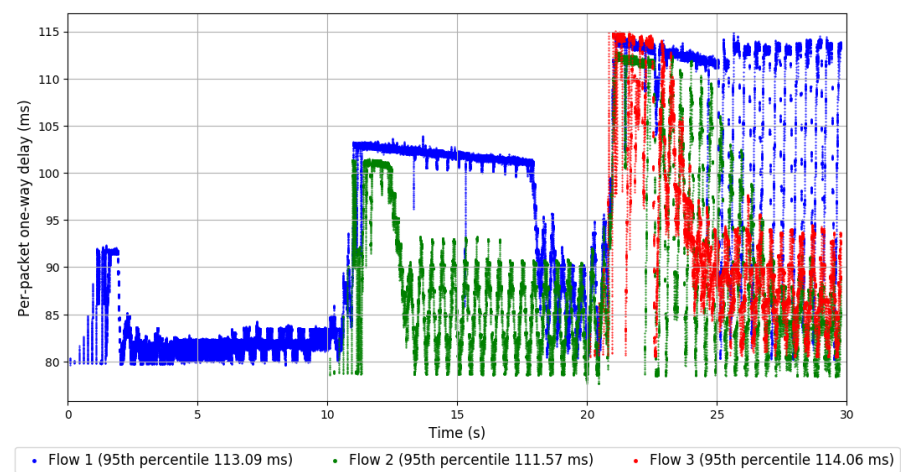
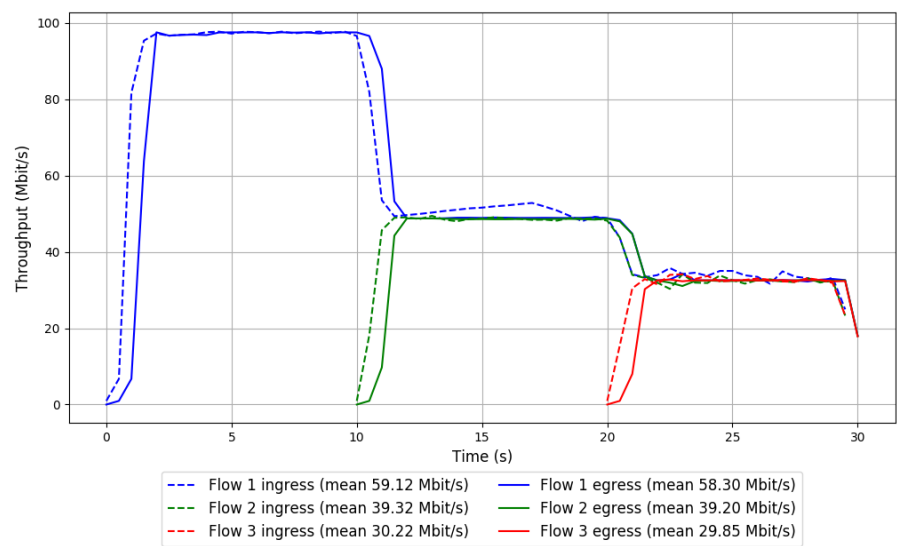


Run 6: Statistics of Indigo

Start at: 2018-07-18 11:06:13
End at: 2018-07-18 11:06:43
Local clock offset: -1.984 ms
Remote clock offset: 15.129 ms

Below is generated by plot.py at 2018-07-18 12:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 112.821 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 113.091 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 111.569 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 114.056 ms
Loss rate: 2.85%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-18 11:27:46

End at: 2018-07-18 11:28:16

Local clock offset: -3.029 ms

Remote clock offset: 5.949 ms

Below is generated by plot.py at 2018-07-18 12:47:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.19 Mbit/s

95th percentile per-packet one-way delay: 115.557 ms

Loss rate: 15.47%

-- Flow 1:

Average throughput: 49.55 Mbit/s

95th percentile per-packet one-way delay: 115.589 ms

Loss rate: 13.78%

-- Flow 2:

Average throughput: 31.10 Mbit/s

95th percentile per-packet one-way delay: 113.509 ms

Loss rate: 17.98%

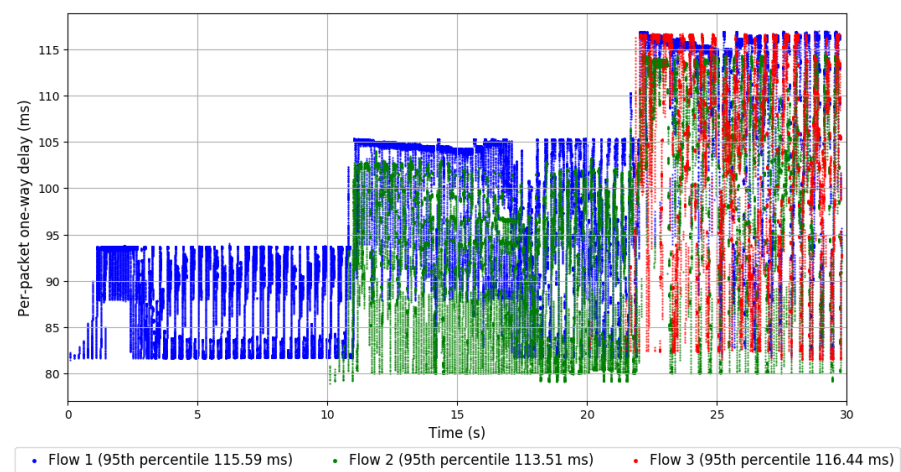
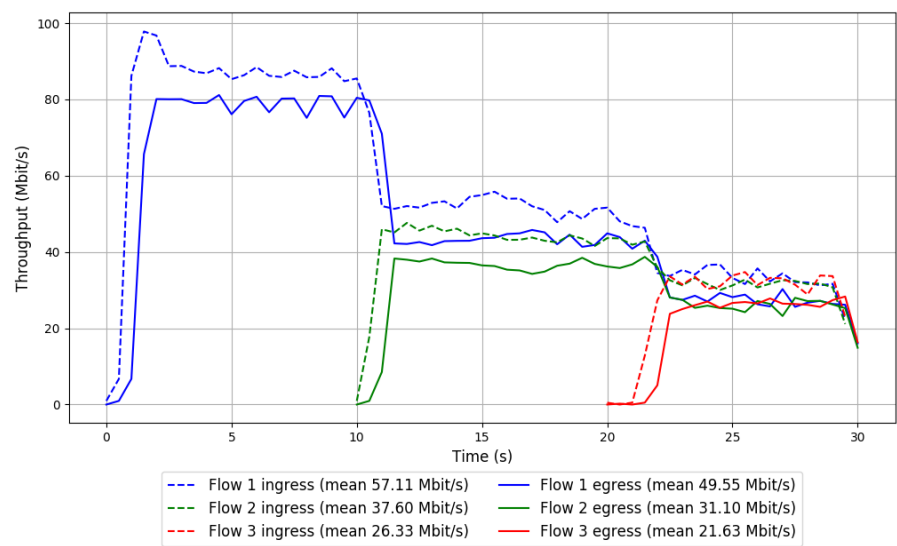
-- Flow 3:

Average throughput: 21.63 Mbit/s

95th percentile per-packet one-way delay: 116.442 ms

Loss rate: 19.41%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-18 11:49:07

End at: 2018-07-18 11:49:37

Local clock offset: -7.265 ms

Remote clock offset: 9.114 ms

Below is generated by plot.py at 2018-07-18 12:48:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.05 Mbit/s

95th percentile per-packet one-way delay: 116.692 ms

Loss rate: 2.64%

-- Flow 1:

Average throughput: 58.45 Mbit/s

95th percentile per-packet one-way delay: 117.306 ms

Loss rate: 3.27%

-- Flow 2:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 116.191 ms

Loss rate: 1.14%

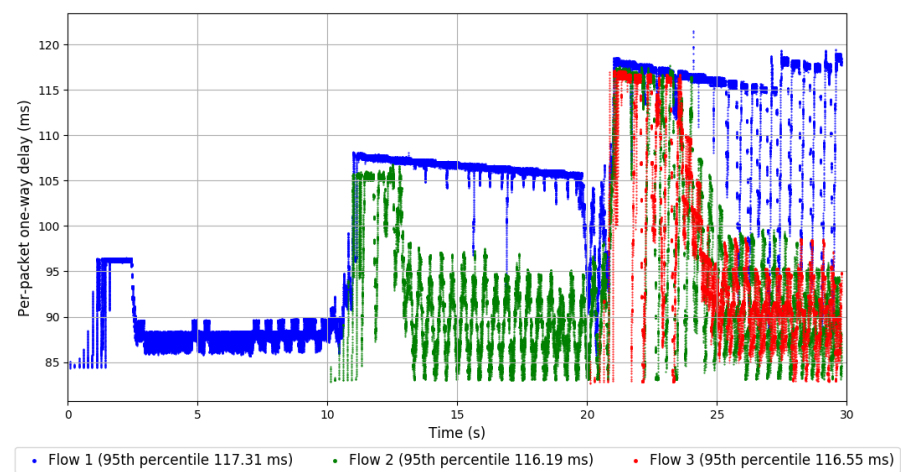
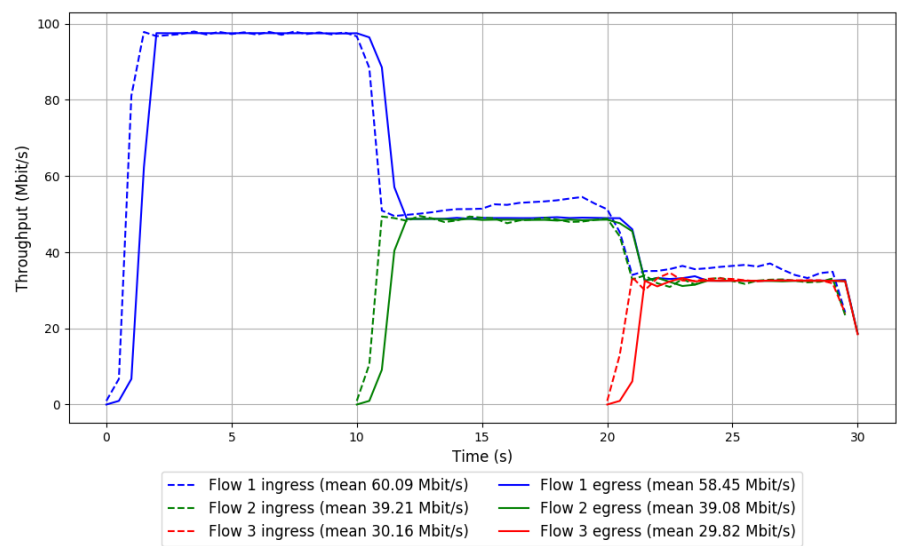
-- Flow 3:

Average throughput: 29.82 Mbit/s

95th percentile per-packet one-way delay: 116.552 ms

Loss rate: 2.76%

Run 8: Report of Indigo — Data Link

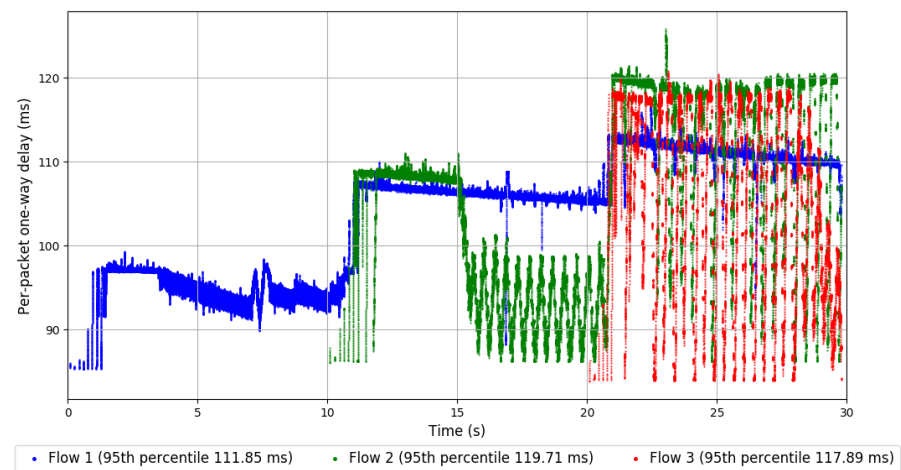
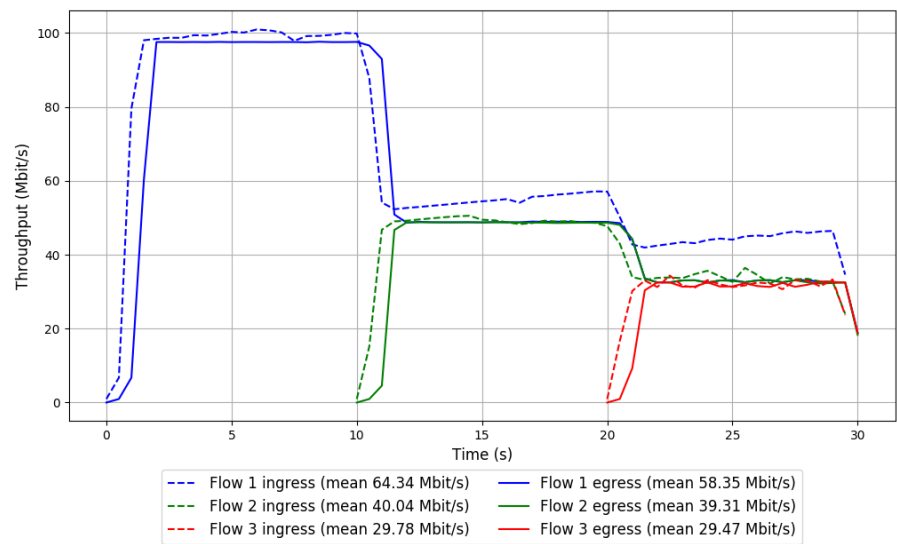


Run 9: Statistics of Indigo

Start at: 2018-07-18 12:10:29
End at: 2018-07-18 12:10:59
Local clock offset: -2.399 ms
Remote clock offset: 12.355 ms

Below is generated by plot.py at 2018-07-18 12:48:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 118.457 ms
Loss rate: 7.25%
-- Flow 1:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 111.848 ms
Loss rate: 9.83%
-- Flow 2:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 119.709 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 117.894 ms
Loss rate: 2.74%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-18 12:31:40

End at: 2018-07-18 12:32:10

Local clock offset: -4.431 ms

Remote clock offset: 9.665 ms

Below is generated by plot.py at 2018-07-18 12:48:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.05 Mbit/s

95th percentile per-packet one-way delay: 112.349 ms

Loss rate: 7.49%

-- Flow 1:

Average throughput: 58.53 Mbit/s

95th percentile per-packet one-way delay: 106.108 ms

Loss rate: 10.76%

-- Flow 2:

Average throughput: 39.35 Mbit/s

95th percentile per-packet one-way delay: 114.973 ms

Loss rate: 1.39%

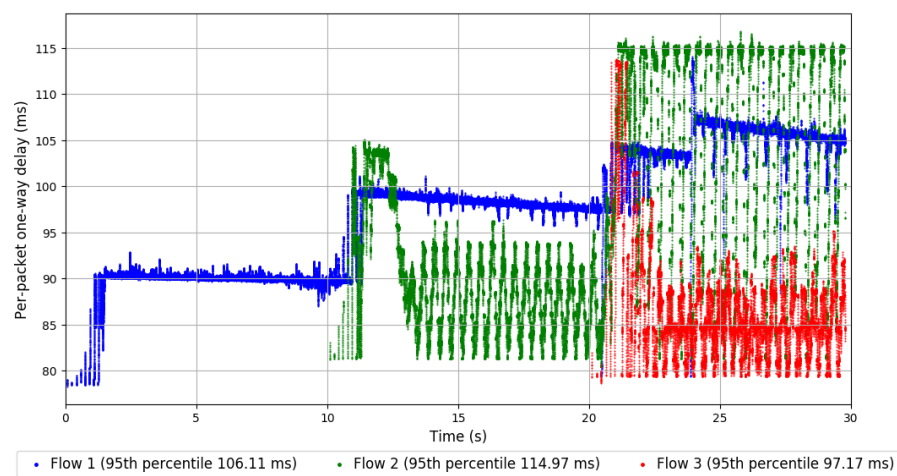
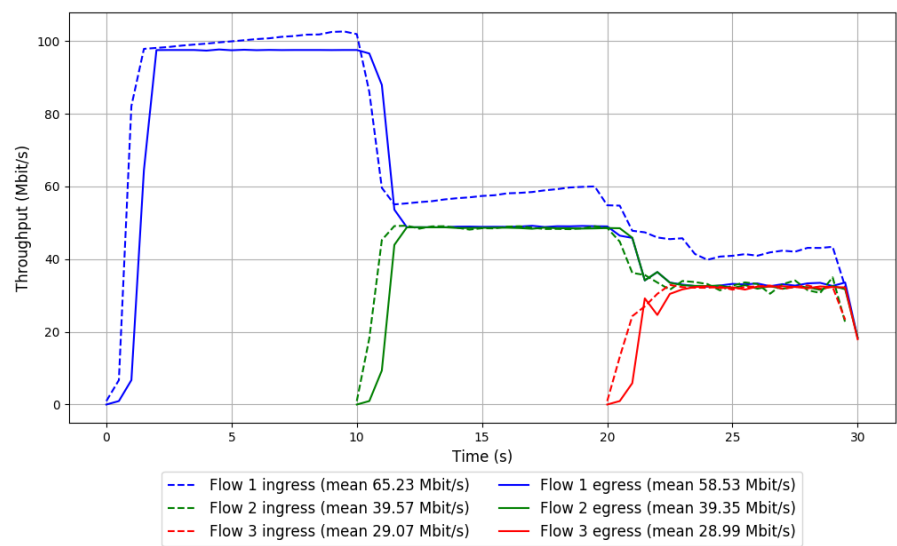
-- Flow 3:

Average throughput: 28.99 Mbit/s

95th percentile per-packet one-way delay: 97.169 ms

Loss rate: 1.94%

Run 10: Report of Indigo — Data Link

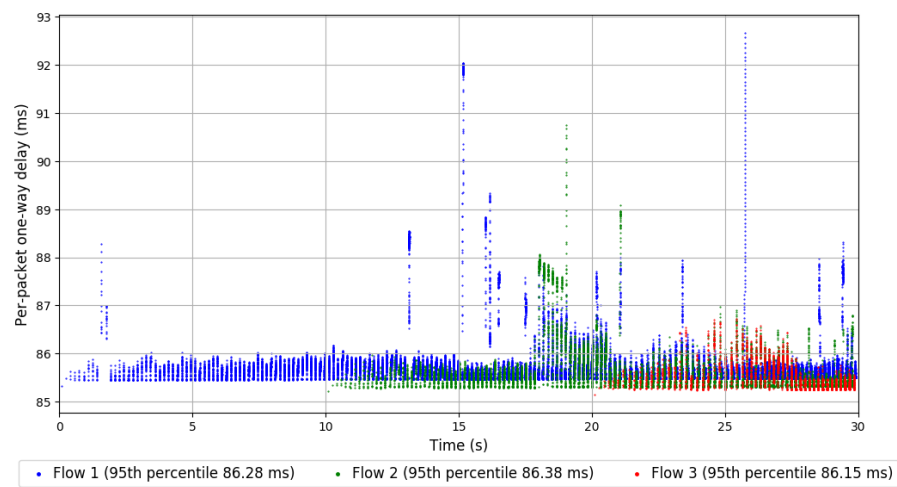
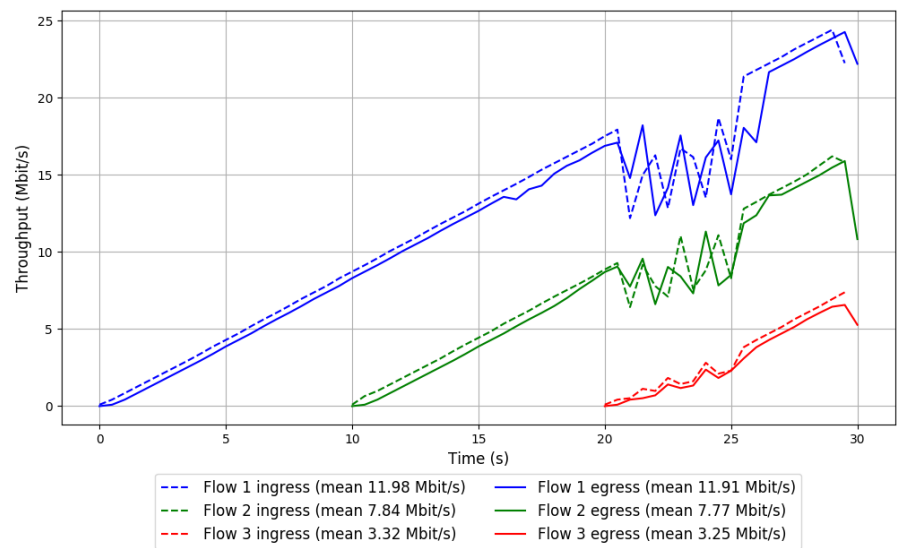


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-18 09:23:39
End at: 2018-07-18 09:24:09
Local clock offset: -8.013 ms
Remote clock offset: 9.288 ms

# Below is generated by plot.py at 2018-07-18 12:48:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 86.297 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 86.284 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 86.382 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 86.151 ms
Loss rate: 3.82%
```

Run 1: Report of LEDBAT — Data Link

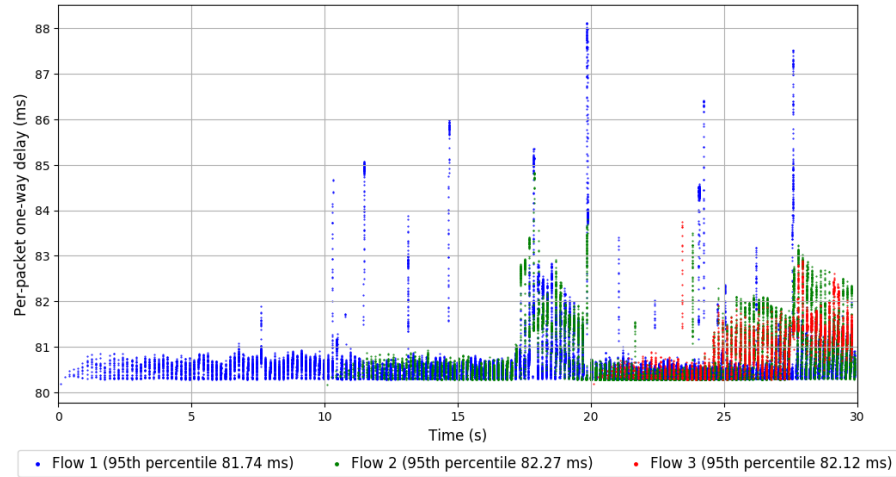
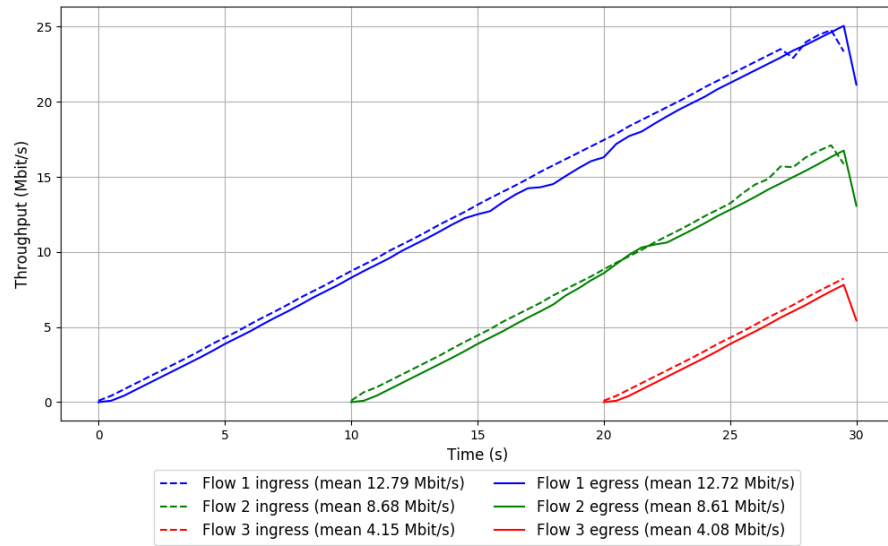


Run 2: Statistics of LEDBAT

Start at: 2018-07-18 09:45:02
End at: 2018-07-18 09:45:32
Local clock offset: -7.398 ms
Remote clock offset: 15.108 ms

Below is generated by plot.py at 2018-07-18 12:48:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.76 Mbit/s
95th percentile per-packet one-way delay: 82.038 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 81.740 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 82.270 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 82.124 ms
Loss rate: 3.41%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-18 10:06:13

End at: 2018-07-18 10:06:43

Local clock offset: -6.891 ms

Remote clock offset: 3.695 ms

Below is generated by plot.py at 2018-07-18 12:48:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.51 Mbit/s

95th percentile per-packet one-way delay: 86.249 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 85.913 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 86.706 ms

Loss rate: 1.68%

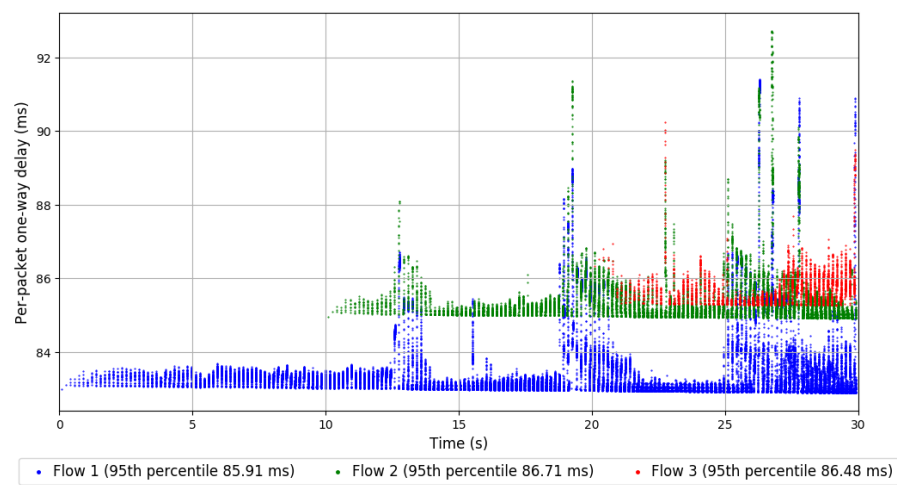
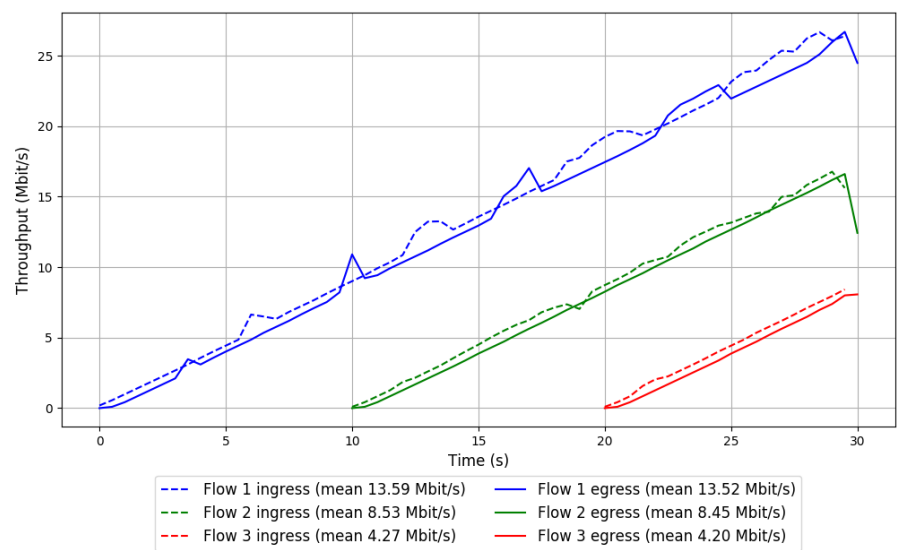
-- Flow 3:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 86.482 ms

Loss rate: 3.37%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-18 10:27:22

End at: 2018-07-18 10:27:52

Local clock offset: -5.907 ms

Remote clock offset: 4.56 ms

Below is generated by plot.py at 2018-07-18 12:48:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.62 Mbit/s

95th percentile per-packet one-way delay: 80.631 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 13.54 Mbit/s

95th percentile per-packet one-way delay: 80.321 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 80.914 ms

Loss rate: 1.66%

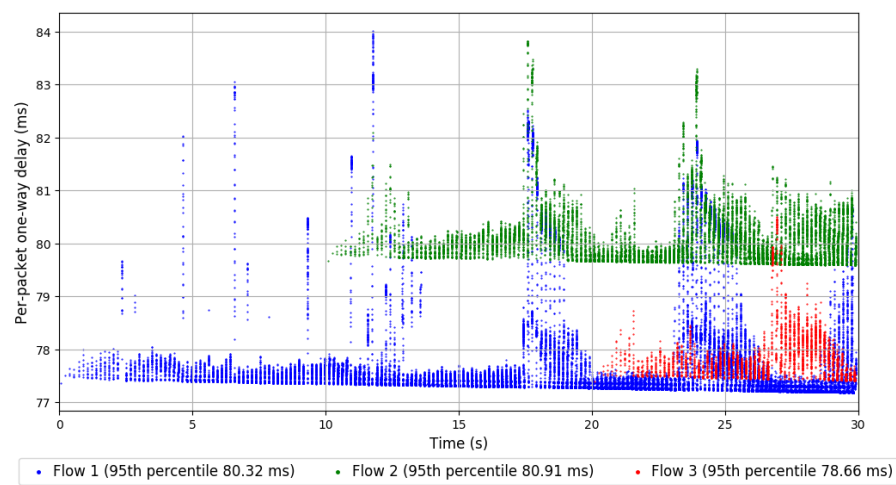
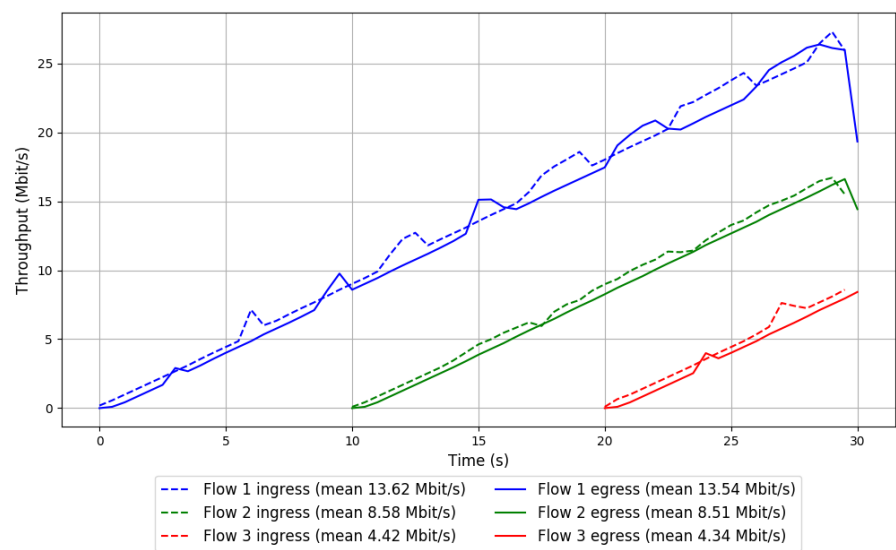
-- Flow 3:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 78.659 ms

Loss rate: 3.32%

Run 4: Report of LEDBAT — Data Link

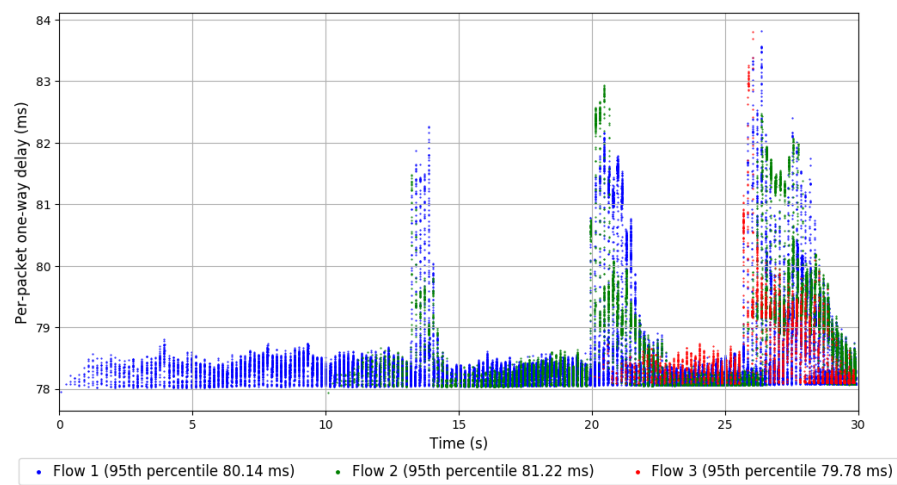
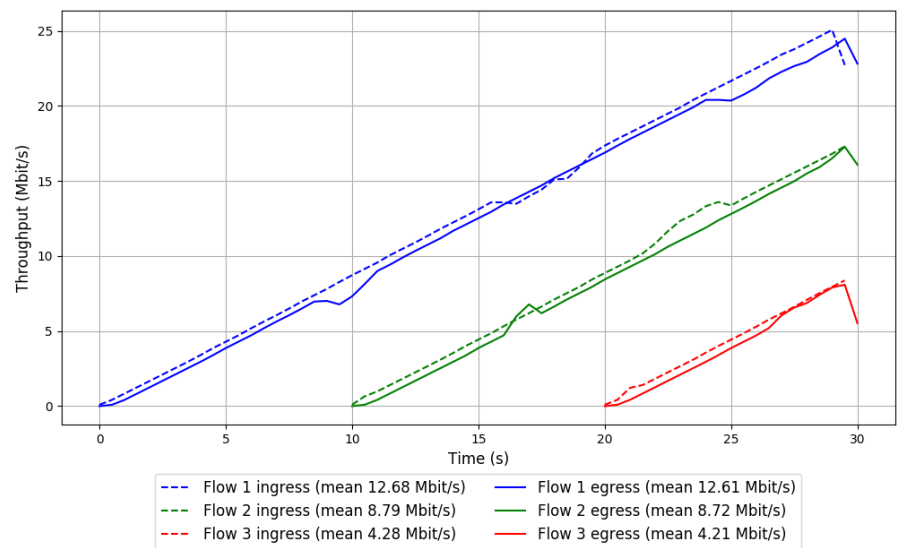


Run 5: Statistics of LEDBAT

Start at: 2018-07-18 10:48:43
End at: 2018-07-18 10:49:13
Local clock offset: -1.821 ms
Remote clock offset: 15.086 ms

Below is generated by plot.py at 2018-07-18 12:48:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.77 Mbit/s
95th percentile per-packet one-way delay: 80.355 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 80.142 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 81.220 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 79.779 ms
Loss rate: 3.35%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-18 11:09:56

End at: 2018-07-18 11:10:26

Local clock offset: -1.999 ms

Remote clock offset: 7.186 ms

Below is generated by plot.py at 2018-07-18 12:48:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.89 Mbit/s

95th percentile per-packet one-way delay: 87.288 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 12.94 Mbit/s

95th percentile per-packet one-way delay: 87.247 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 8.54 Mbit/s

95th percentile per-packet one-way delay: 87.471 ms

Loss rate: 1.66%

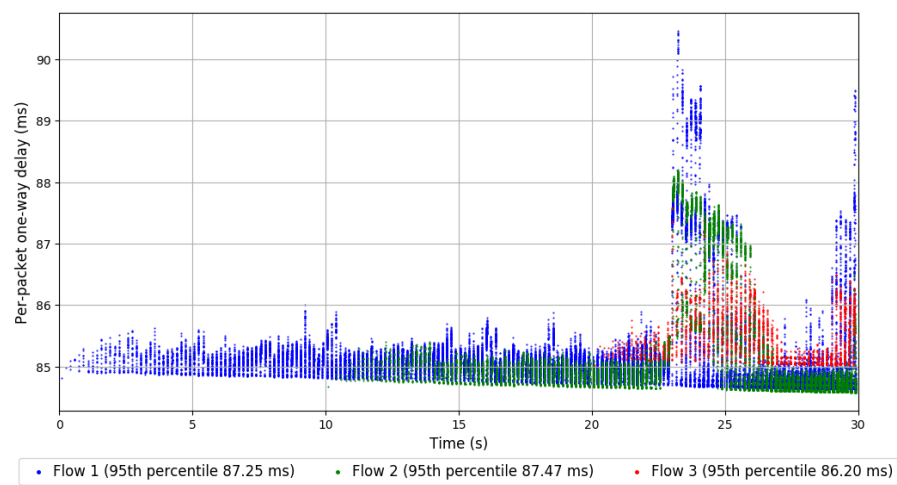
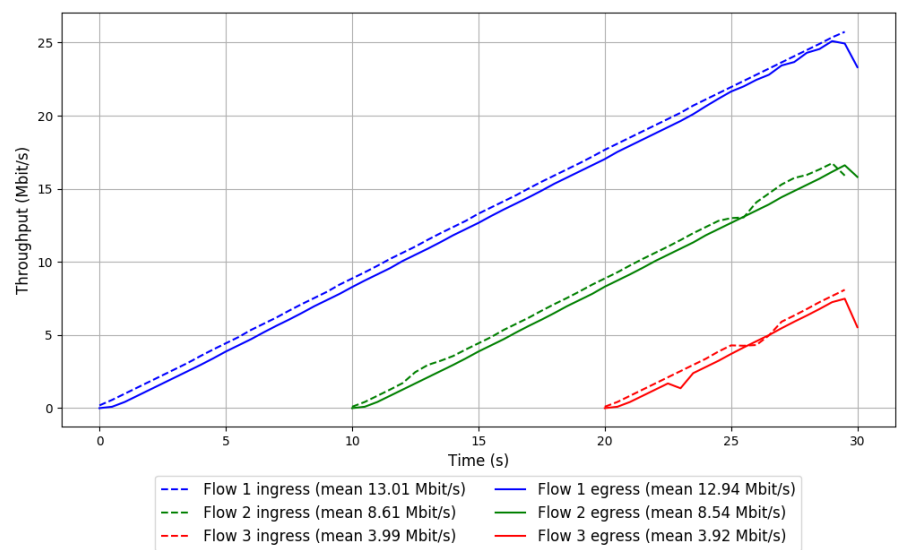
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 86.199 ms

Loss rate: 3.47%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-18 11:31:27

End at: 2018-07-18 11:31:57

Local clock offset: -4.561 ms

Remote clock offset: 2.704 ms

Below is generated by plot.py at 2018-07-18 12:48:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.49 Mbit/s

95th percentile per-packet one-way delay: 86.327 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 12.82 Mbit/s

95th percentile per-packet one-way delay: 87.241 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 8.10 Mbit/s

95th percentile per-packet one-way delay: 85.578 ms

Loss rate: 1.60%

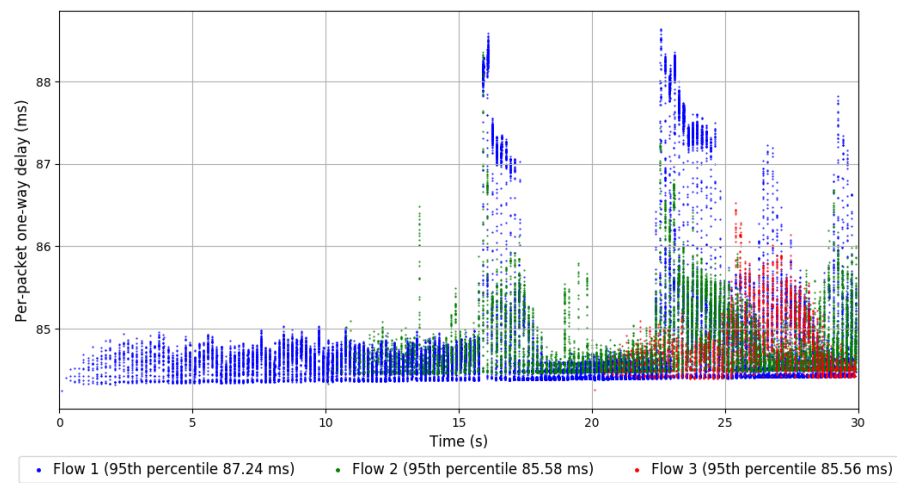
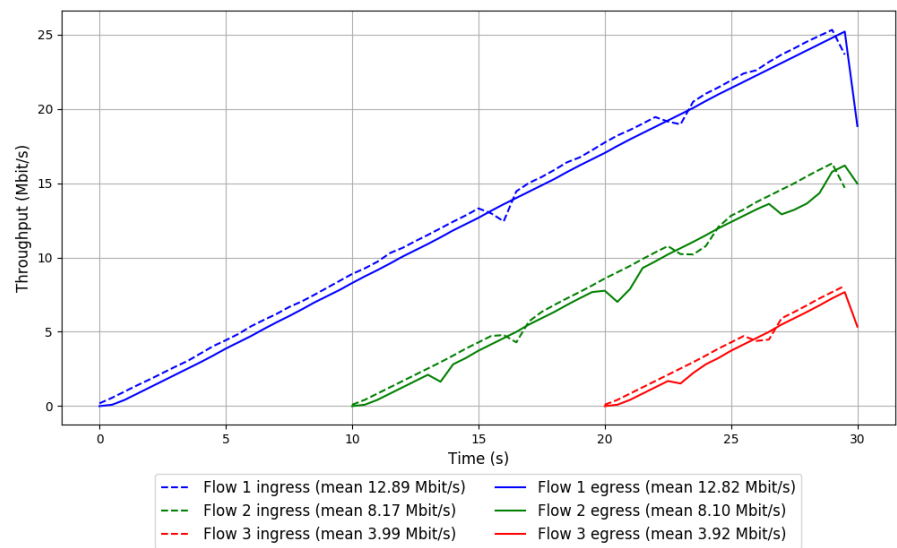
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 85.557 ms

Loss rate: 3.47%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-18 11:52:50

End at: 2018-07-18 11:53:20

Local clock offset: -7.507 ms

Remote clock offset: 9.172 ms

Below is generated by plot.py at 2018-07-18 12:48:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.08 Mbit/s

95th percentile per-packet one-way delay: 87.409 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 87.088 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 8.54 Mbit/s

95th percentile per-packet one-way delay: 89.197 ms

Loss rate: 1.67%

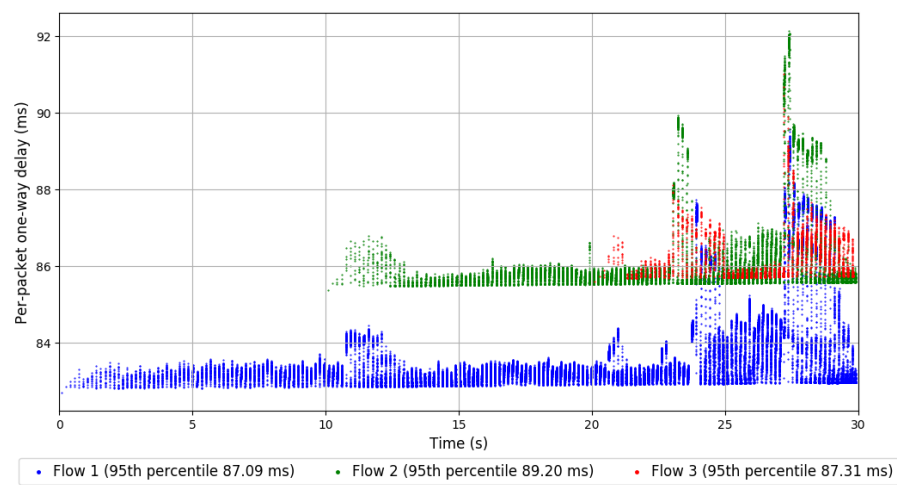
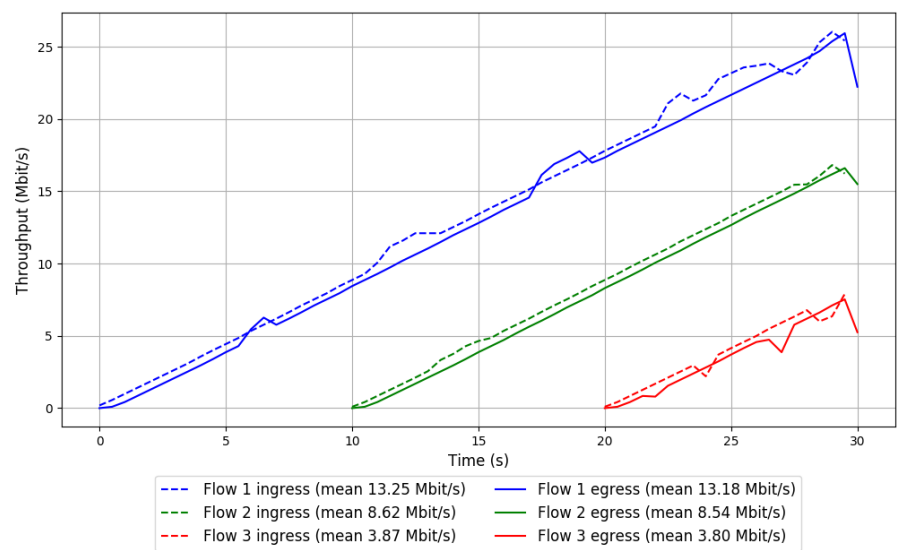
-- Flow 3:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 87.310 ms

Loss rate: 3.53%

Run 8: Report of LEDBAT — Data Link

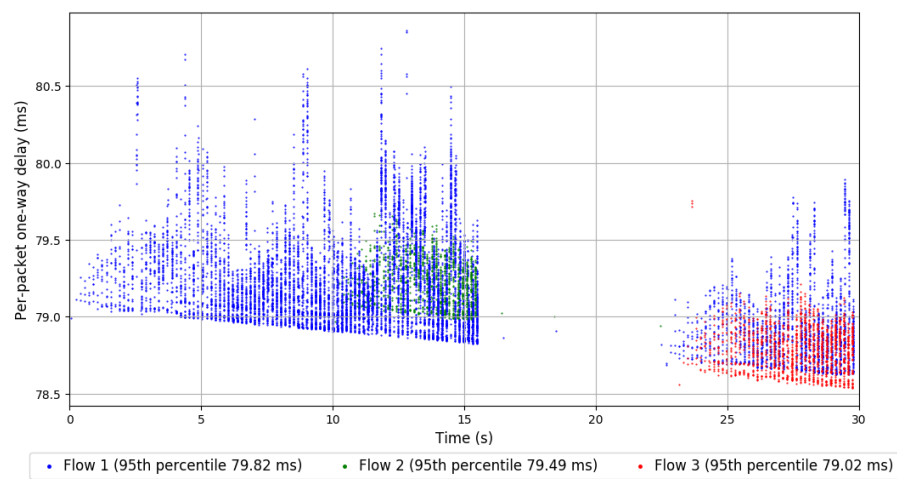
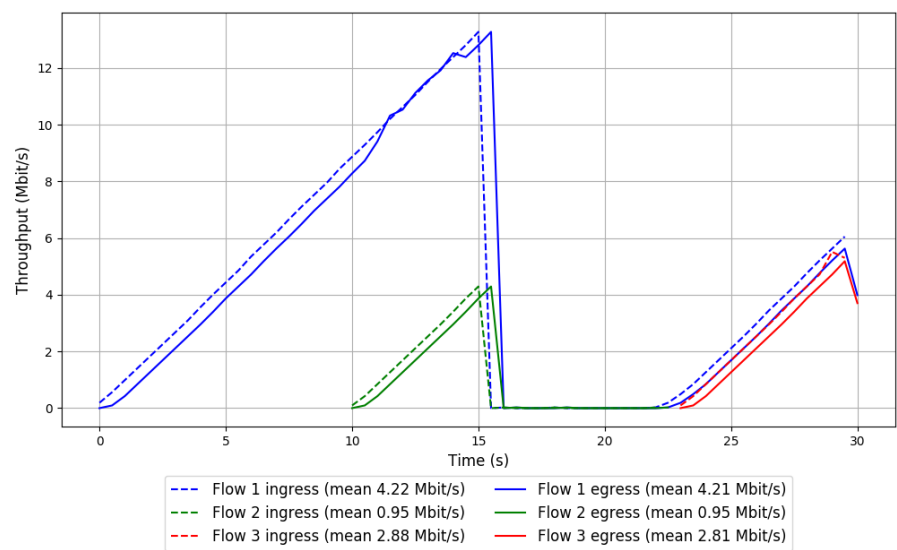


Run 9: Statistics of LEDBAT

Start at: 2018-07-18 12:14:11
End at: 2018-07-18 12:14:41
Local clock offset: -1.892 ms
Remote clock offset: 17.173 ms

Below is generated by plot.py at 2018-07-18 12:48:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 79.767 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 79.819 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 79.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 79.020 ms
Loss rate: 4.93%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-18 12:35:22

End at: 2018-07-18 12:35:52

Local clock offset: -5.612 ms

Remote clock offset: 9.51 ms

Below is generated by plot.py at 2018-07-18 12:48:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.04 Mbit/s

95th percentile per-packet one-way delay: 82.316 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 13.09 Mbit/s

95th percentile per-packet one-way delay: 82.402 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 81.525 ms

Loss rate: 1.68%

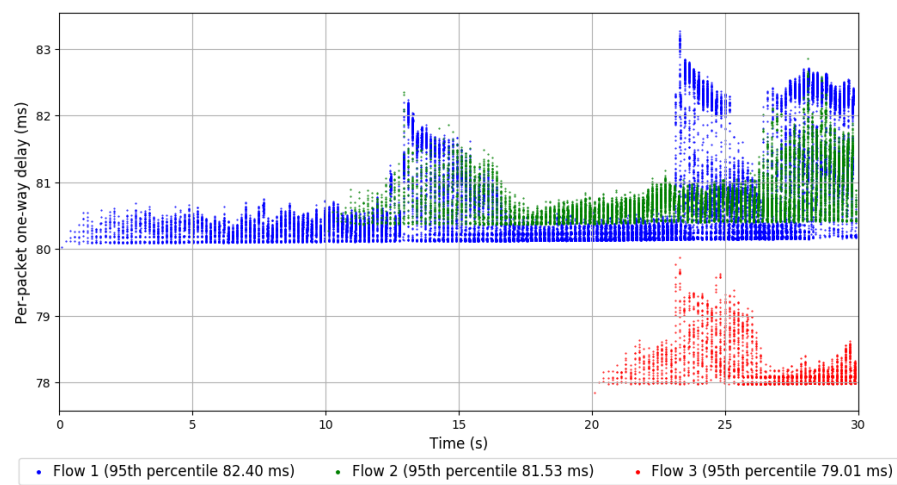
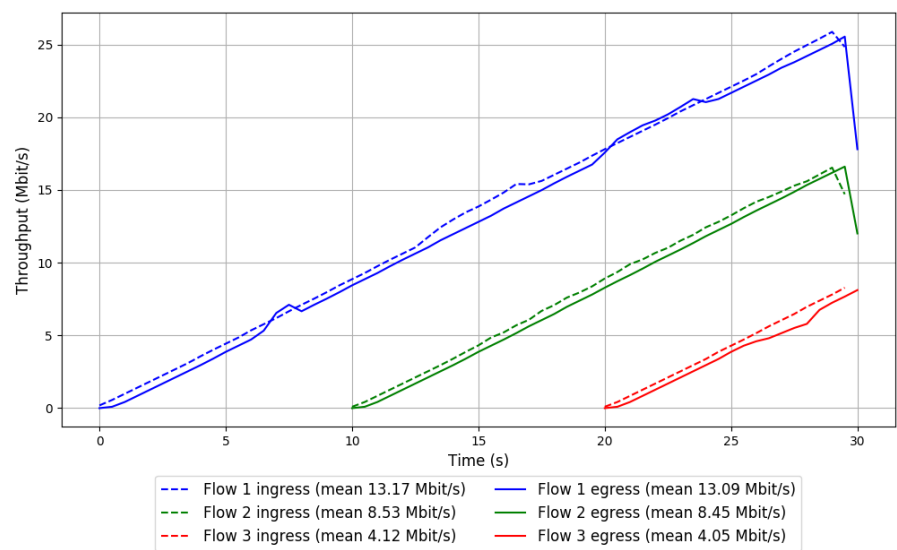
-- Flow 3:

Average throughput: 4.05 Mbit/s

95th percentile per-packet one-way delay: 79.007 ms

Loss rate: 3.44%

Run 10: Report of LEDBAT — Data Link

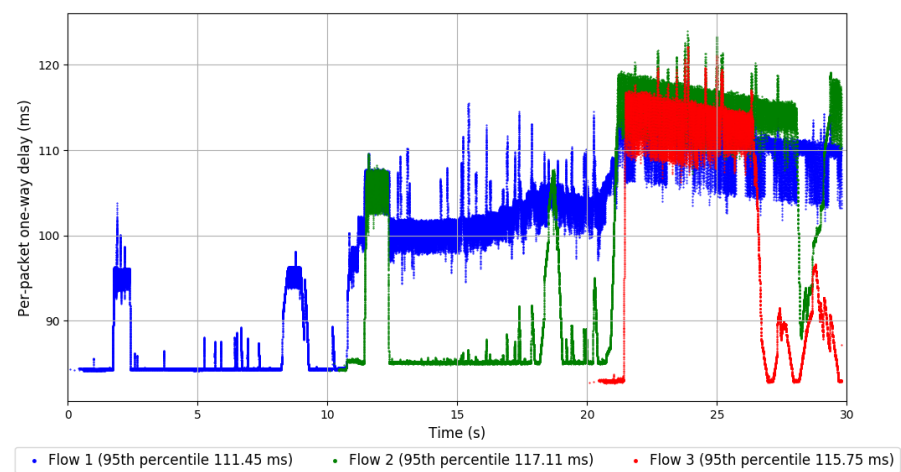
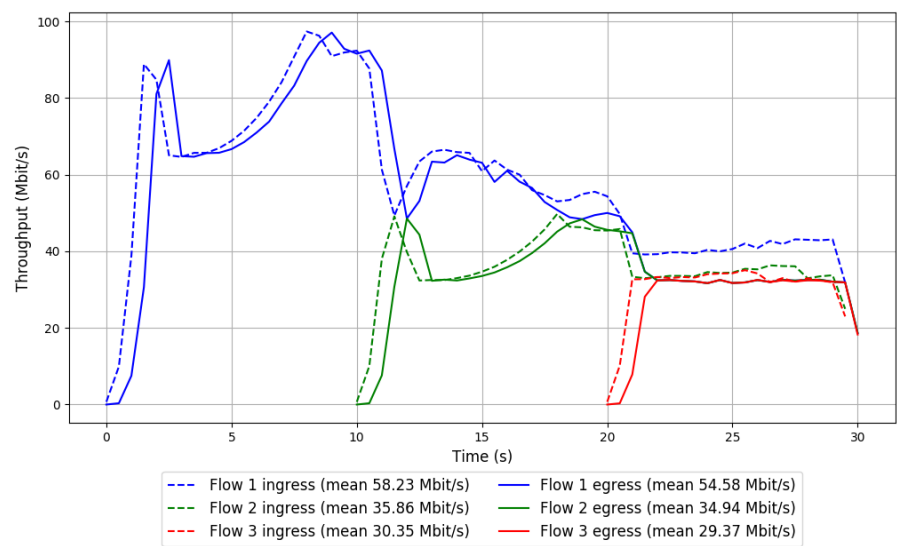


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 09:21:13
End at: 2018-07-18 09:21:43
Local clock offset: -7.831 ms
Remote clock offset: 10.231 ms

# Below is generated by plot.py at 2018-07-18 12:48:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 115.261 ms
Loss rate: 5.72%
-- Flow 1:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 111.451 ms
Loss rate: 6.81%
-- Flow 2:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 117.111 ms
Loss rate: 3.44%
-- Flow 3:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 115.745 ms
Loss rate: 4.79%
```

Run 1: Report of PCC-Allegro — Data Link

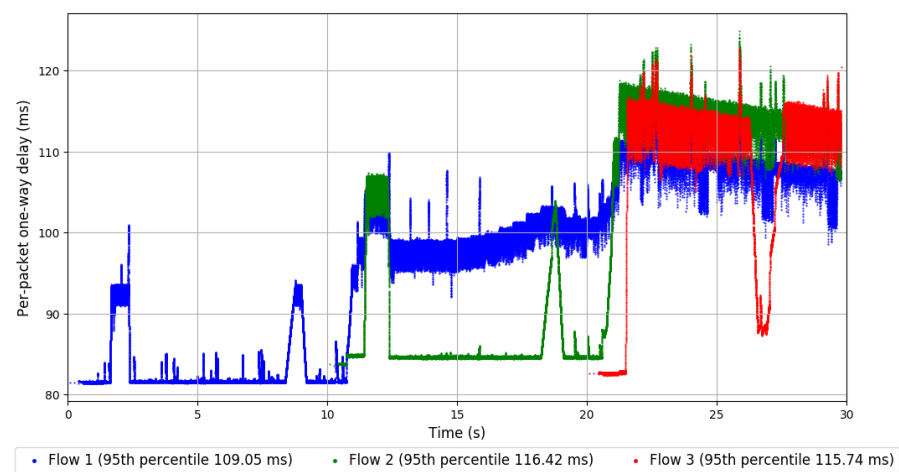
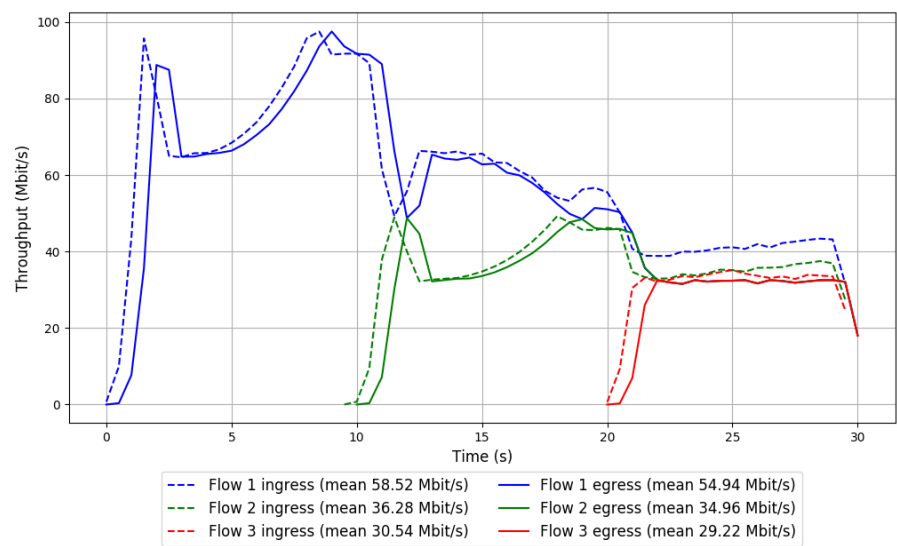


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 09:42:36
End at: 2018-07-18 09:43:06
Local clock offset: -7.464 ms
Remote clock offset: 11.045 ms

Below is generated by plot.py at 2018-07-18 12:48:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 114.817 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 109.047 ms
Loss rate: 6.66%
-- Flow 2:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 116.421 ms
Loss rate: 4.49%
-- Flow 3:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 115.740 ms
Loss rate: 5.87%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 10:03:48

End at: 2018-07-18 10:04:18

Local clock offset: -6.986 ms

Remote clock offset: 8.728 ms

Below is generated by plot.py at 2018-07-18 12:48:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 101.179 ms

Loss rate: 3.00%

-- Flow 1:

Average throughput: 72.78 Mbit/s

95th percentile per-packet one-way delay: 101.137 ms

Loss rate: 3.02%

-- Flow 2:

Average throughput: 5.47 Mbit/s

95th percentile per-packet one-way delay: 79.796 ms

Loss rate: 4.80%

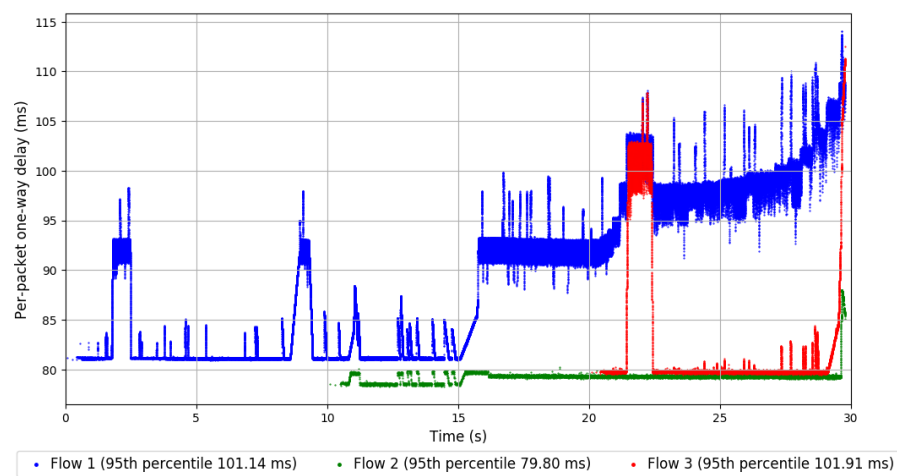
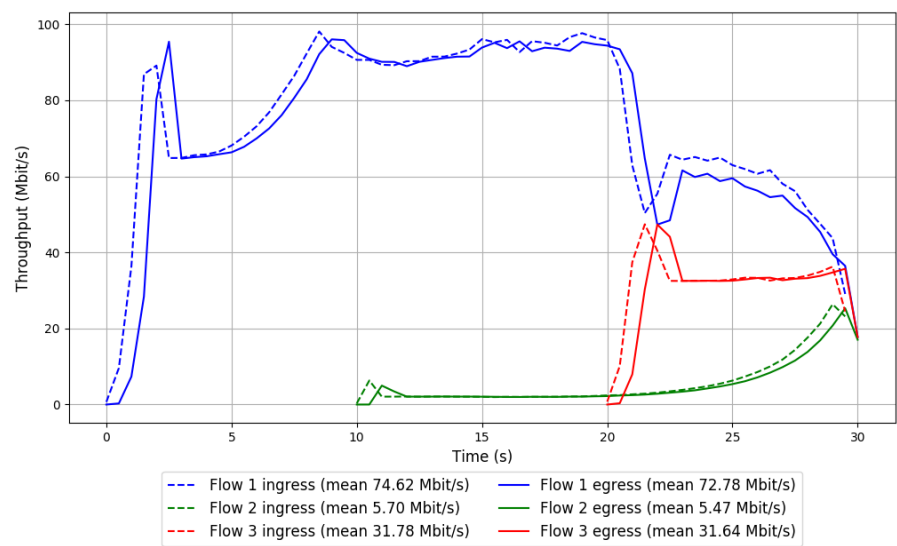
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 101.907 ms

Loss rate: 2.21%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 10:24:57

End at: 2018-07-18 10:25:27

Local clock offset: -6.906 ms

Remote clock offset: 0.913 ms

Below is generated by plot.py at 2018-07-18 12:49:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.59 Mbit/s

95th percentile per-packet one-way delay: 115.706 ms

Loss rate: 6.13%

-- Flow 1:

Average throughput: 52.08 Mbit/s

95th percentile per-packet one-way delay: 111.746 ms

Loss rate: 6.87%

-- Flow 2:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 116.812 ms

Loss rate: 4.49%

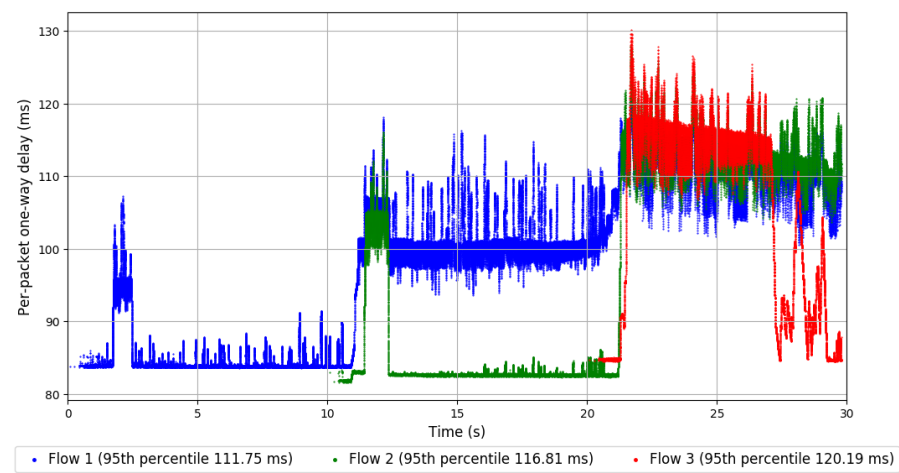
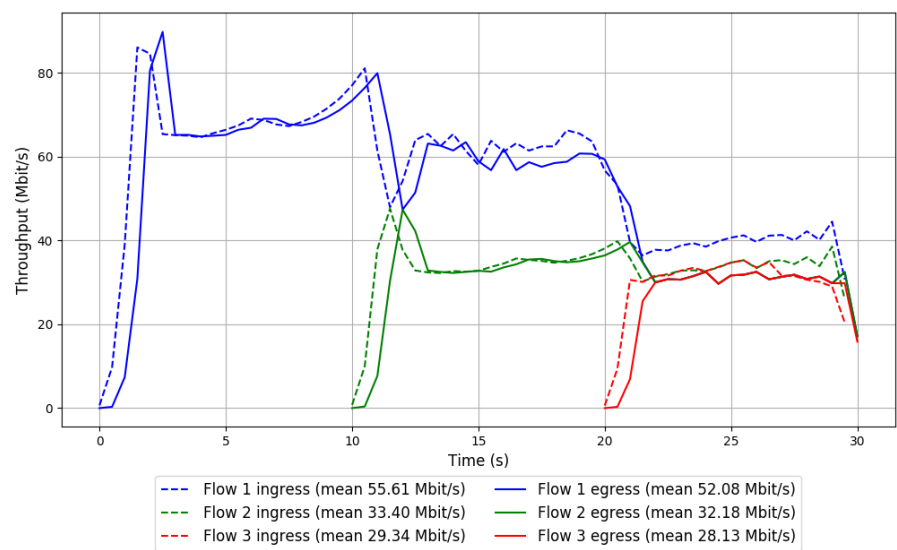
-- Flow 3:

Average throughput: 28.13 Mbit/s

95th percentile per-packet one-way delay: 120.195 ms

Loss rate: 5.69%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 10:46:17

End at: 2018-07-18 10:46:47

Local clock offset: -2.032 ms

Remote clock offset: 9.464 ms

Below is generated by plot.py at 2018-07-18 12:49:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 115.695 ms

Loss rate: 5.90%

-- Flow 1:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 112.514 ms

Loss rate: 6.52%

-- Flow 2:

Average throughput: 34.32 Mbit/s

95th percentile per-packet one-way delay: 117.470 ms

Loss rate: 4.92%

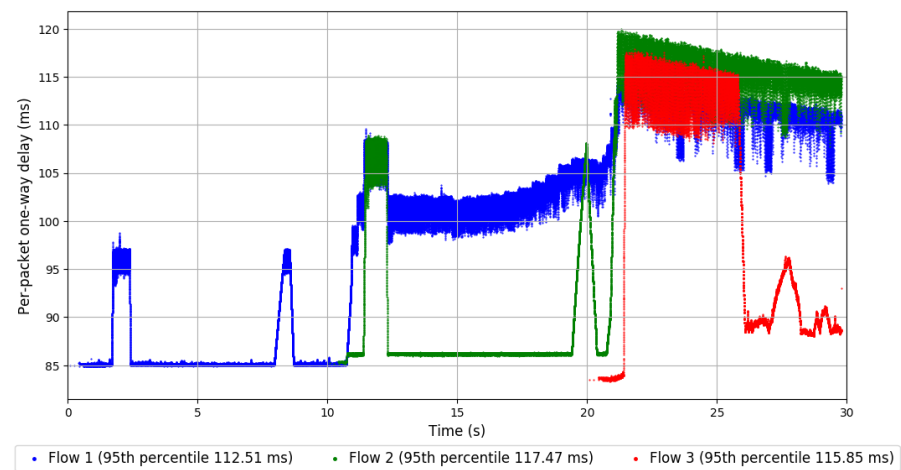
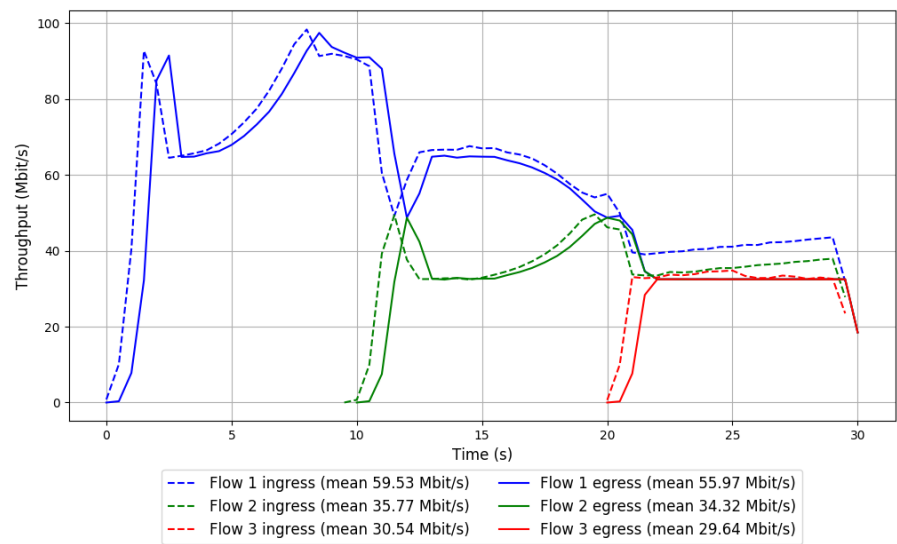
-- Flow 3:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 115.849 ms

Loss rate: 4.52%

Run 5: Report of PCC-Allegro — Data Link

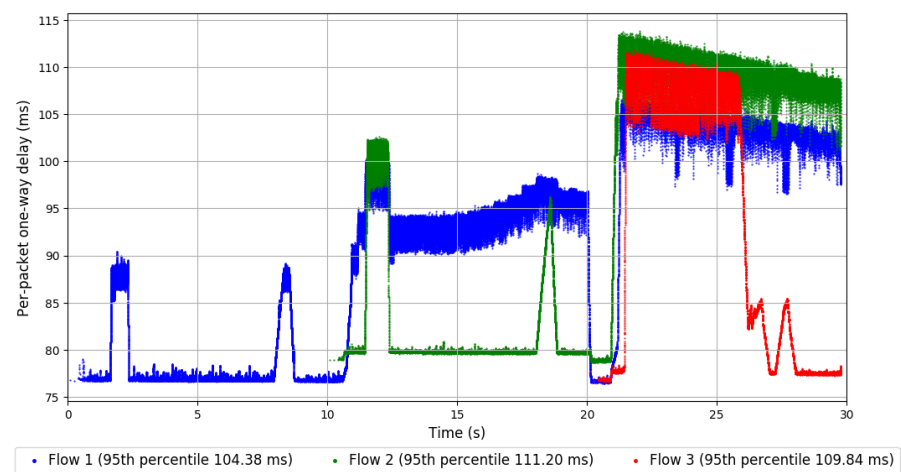
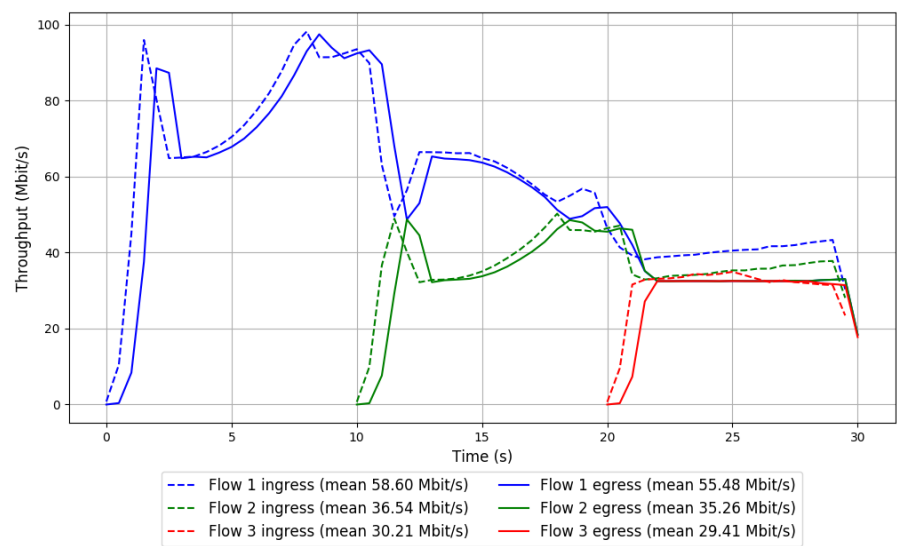


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 11:07:30
End at: 2018-07-18 11:08:00
Local clock offset: -2.05 ms
Remote clock offset: 14.985 ms

Below is generated by plot.py at 2018-07-18 12:49:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 109.457 ms
Loss rate: 5.28%
-- Flow 1:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 104.384 ms
Loss rate: 5.85%
-- Flow 2:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 111.197 ms
Loss rate: 4.31%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 109.839 ms
Loss rate: 4.24%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 11:29:02

End at: 2018-07-18 11:29:32

Local clock offset: -3.654 ms

Remote clock offset: 5.853 ms

Below is generated by plot.py at 2018-07-18 12:49:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.39 Mbit/s

95th percentile per-packet one-way delay: 81.894 ms

Loss rate: 2.16%

-- Flow 1:

Average throughput: 70.53 Mbit/s

95th percentile per-packet one-way delay: 81.915 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 4.69 Mbit/s

95th percentile per-packet one-way delay: 79.739 ms

Loss rate: 2.81%

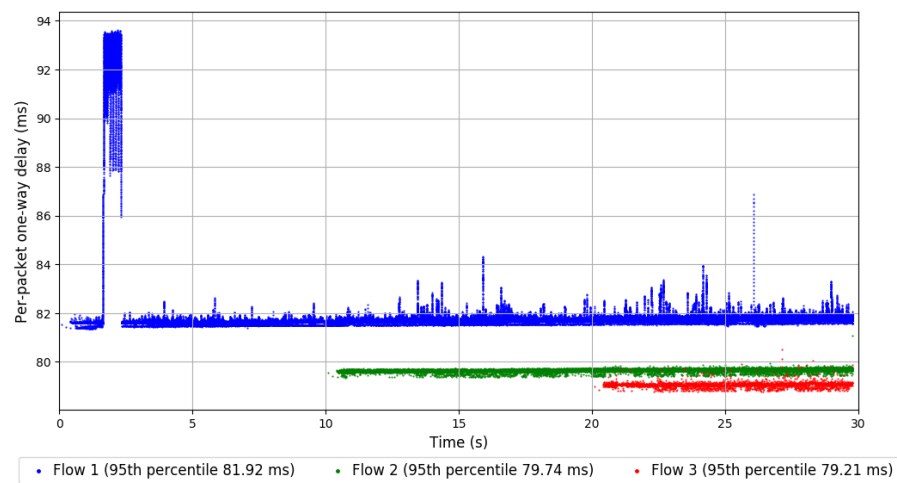
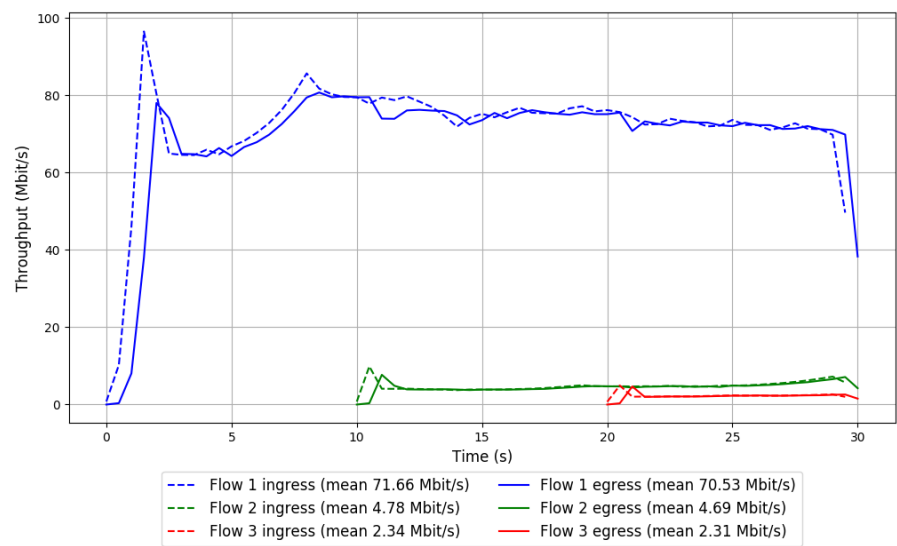
-- Flow 3:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 79.208 ms

Loss rate: 3.02%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 11:50:25

End at: 2018-07-18 11:50:55

Local clock offset: -7.352 ms

Remote clock offset: 9.515 ms

Below is generated by plot.py at 2018-07-18 12:49:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.15 Mbit/s

95th percentile per-packet one-way delay: 114.814 ms

Loss rate: 5.88%

-- Flow 1:

Average throughput: 55.73 Mbit/s

95th percentile per-packet one-way delay: 110.845 ms

Loss rate: 6.56%

-- Flow 2:

Average throughput: 34.41 Mbit/s

95th percentile per-packet one-way delay: 116.415 ms

Loss rate: 4.95%

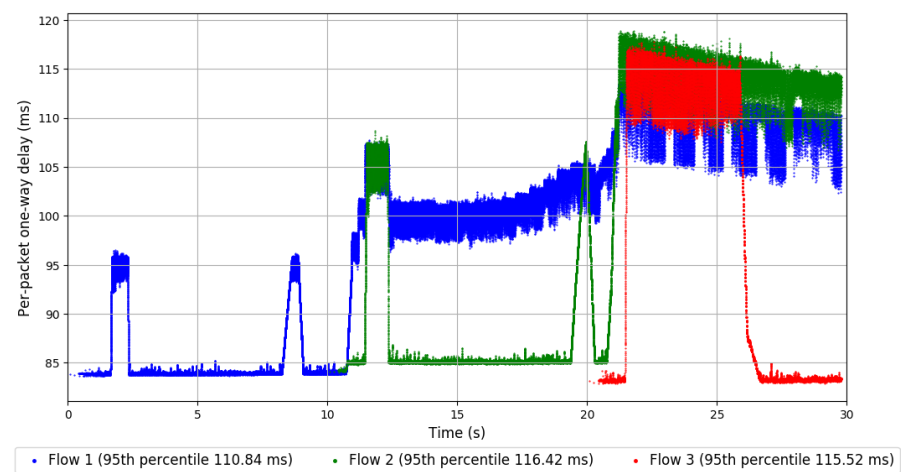
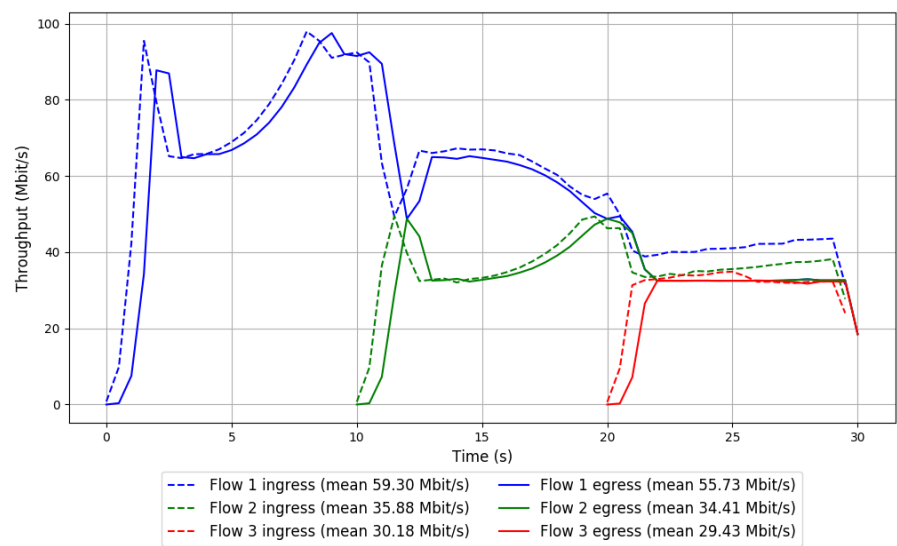
-- Flow 3:

Average throughput: 29.43 Mbit/s

95th percentile per-packet one-way delay: 115.516 ms

Loss rate: 4.10%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 12:11:46

End at: 2018-07-18 12:12:16

Local clock offset: -2.248 ms

Remote clock offset: 17.59 ms

Below is generated by plot.py at 2018-07-18 12:49:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.12 Mbit/s

95th percentile per-packet one-way delay: 109.677 ms

Loss rate: 5.69%

-- Flow 1:

Average throughput: 53.88 Mbit/s

95th percentile per-packet one-way delay: 107.313 ms

Loss rate: 6.50%

-- Flow 2:

Average throughput: 35.61 Mbit/s

95th percentile per-packet one-way delay: 109.813 ms

Loss rate: 4.42%

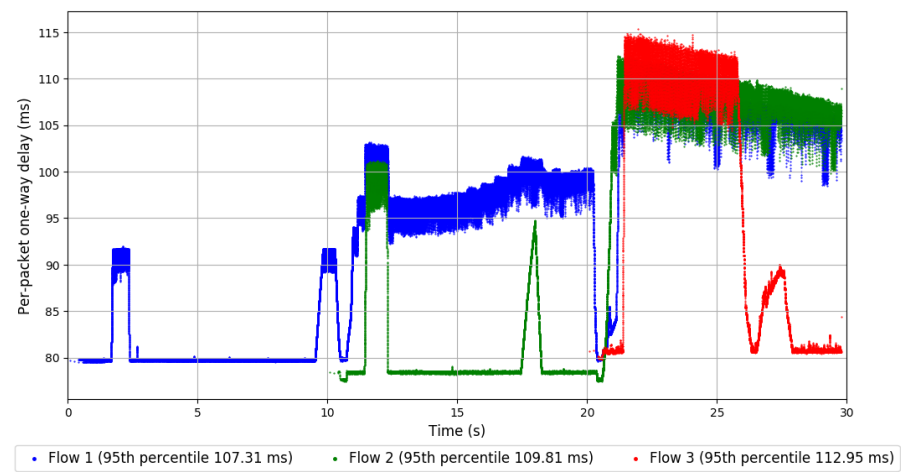
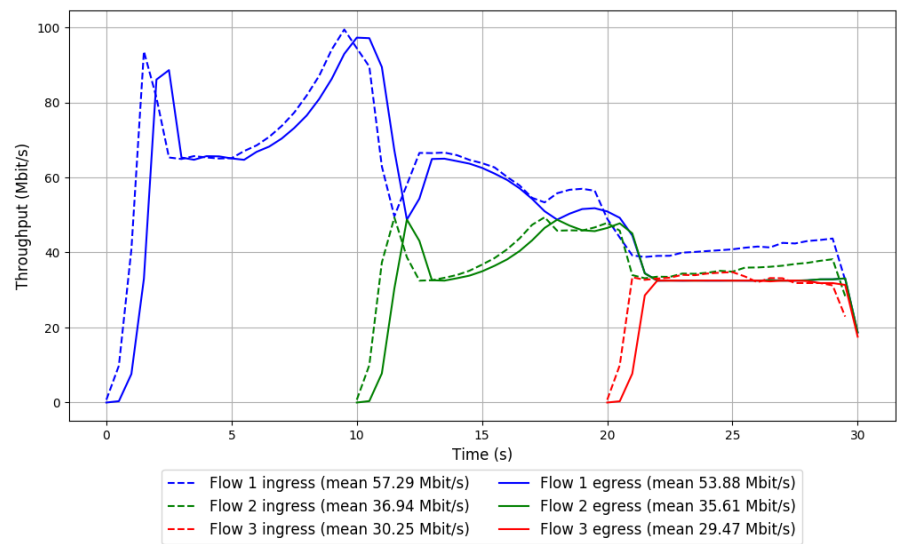
-- Flow 3:

Average throughput: 29.47 Mbit/s

95th percentile per-packet one-way delay: 112.946 ms

Loss rate: 4.20%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 12:32:57

End at: 2018-07-18 12:33:27

Local clock offset: -4.878 ms

Remote clock offset: 9.668 ms

Below is generated by plot.py at 2018-07-18 12:49:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 112.004 ms

Loss rate: 5.98%

-- Flow 1:

Average throughput: 53.15 Mbit/s

95th percentile per-packet one-way delay: 107.343 ms

Loss rate: 6.92%

-- Flow 2:

Average throughput: 34.99 Mbit/s

95th percentile per-packet one-way delay: 113.064 ms

Loss rate: 4.34%

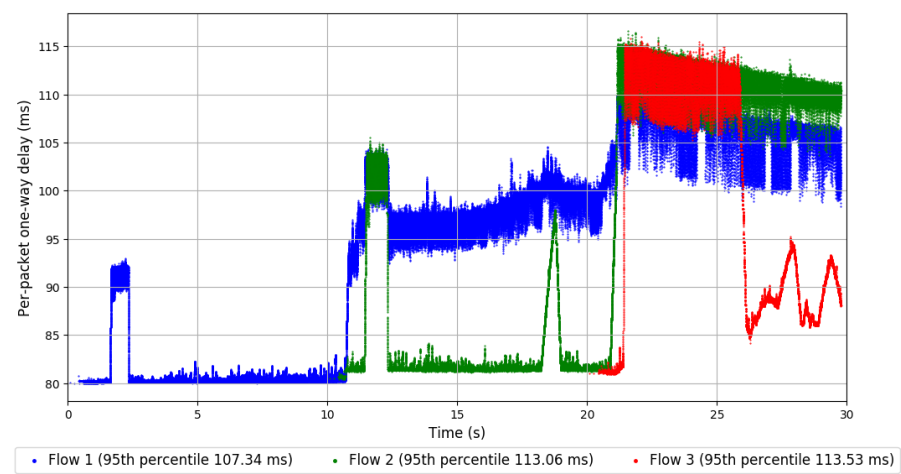
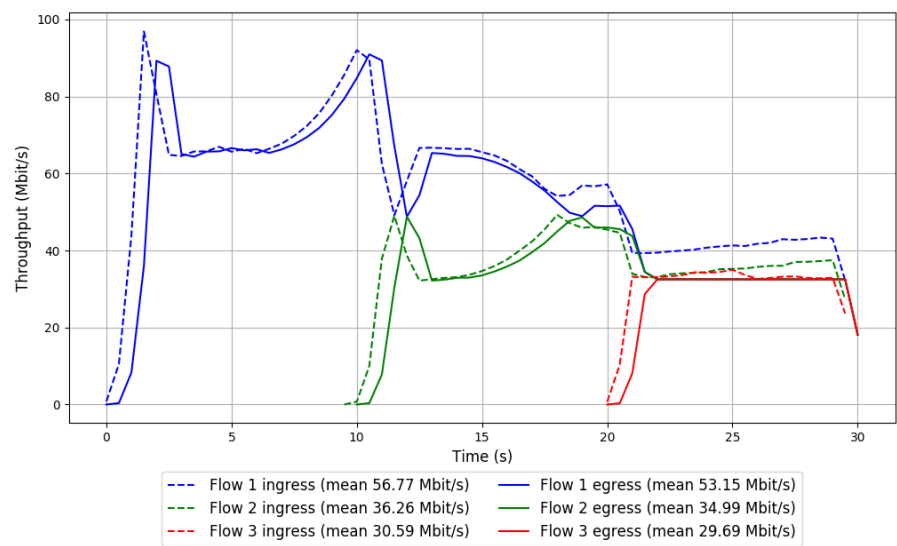
-- Flow 3:

Average throughput: 29.69 Mbit/s

95th percentile per-packet one-way delay: 113.532 ms

Loss rate: 4.59%

Run 10: Report of PCC-Allegro — Data Link

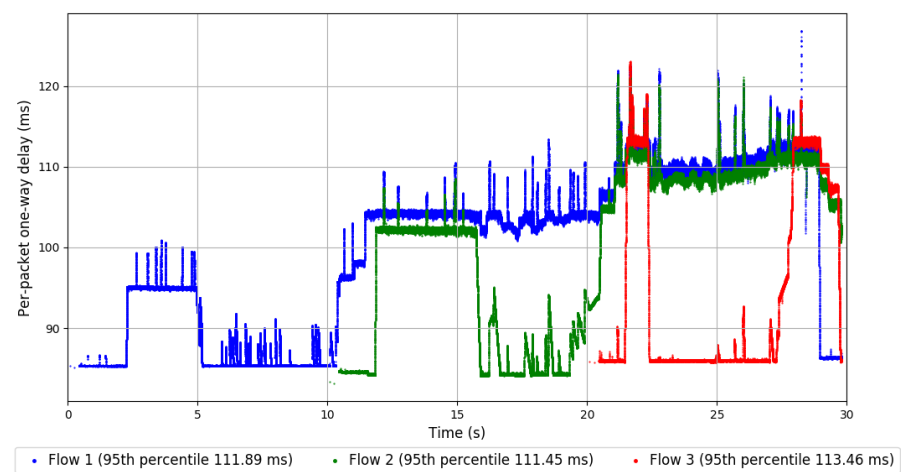
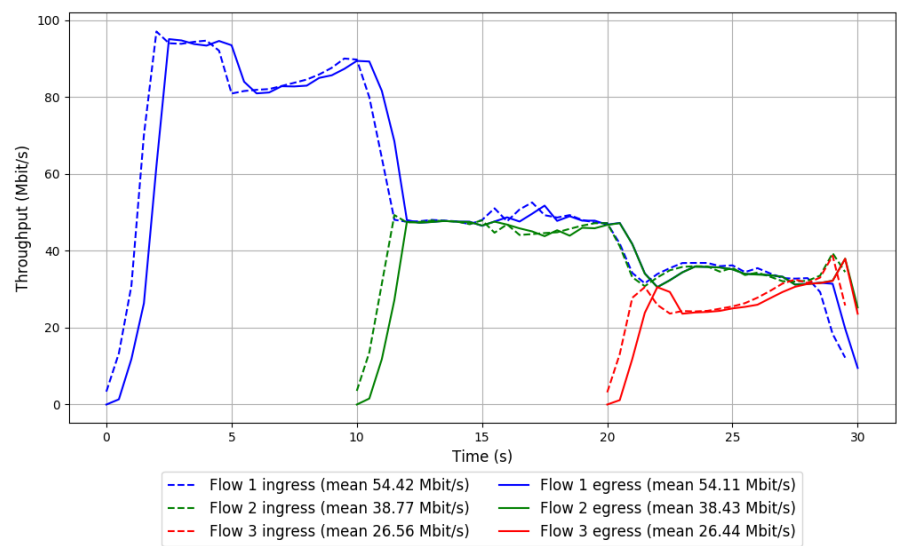


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 09:11:01
End at: 2018-07-18 09:11:31
Local clock offset: -6.849 ms
Remote clock offset: 8.93 ms

# Below is generated by plot.py at 2018-07-18 12:50:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 112.418 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 111.885 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 111.446 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 113.462 ms
Loss rate: 2.12%
```

Run 1: Report of PCC-Expr — Data Link

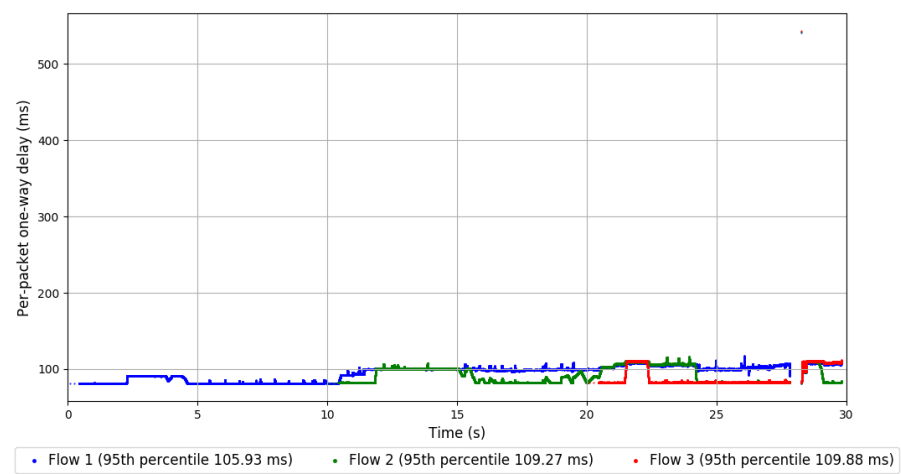
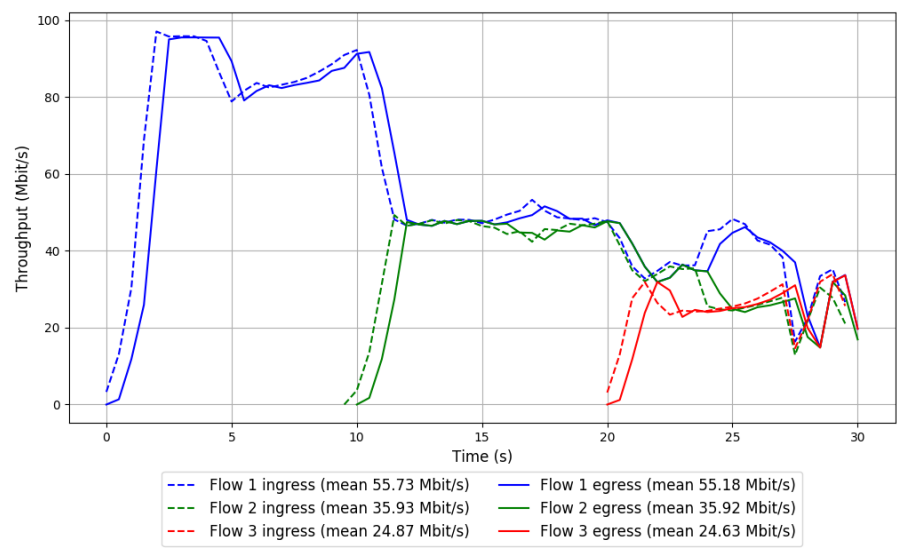


Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 09:32:16
End at: 2018-07-18 09:32:46
Local clock offset: -7.54 ms
Remote clock offset: 13.558 ms

Below is generated by plot.py at 2018-07-18 12:50:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 108.227 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 105.926 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 109.268 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 109.878 ms
Loss rate: 2.72%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 09:53:37

End at: 2018-07-18 09:54:07

Local clock offset: -7.613 ms

Remote clock offset: 10.42 ms

Below is generated by plot.py at 2018-07-18 12:50:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.58 Mbit/s

95th percentile per-packet one-way delay: 89.636 ms

Loss rate: 5.45%

-- Flow 1:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 90.483 ms

Loss rate: 5.43%

-- Flow 2:

Average throughput: 9.47 Mbit/s

95th percentile per-packet one-way delay: 83.644 ms

Loss rate: 5.74%

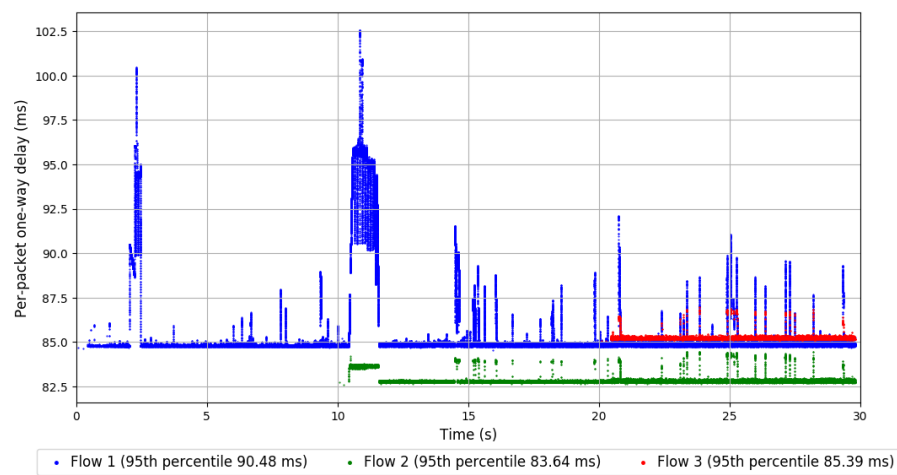
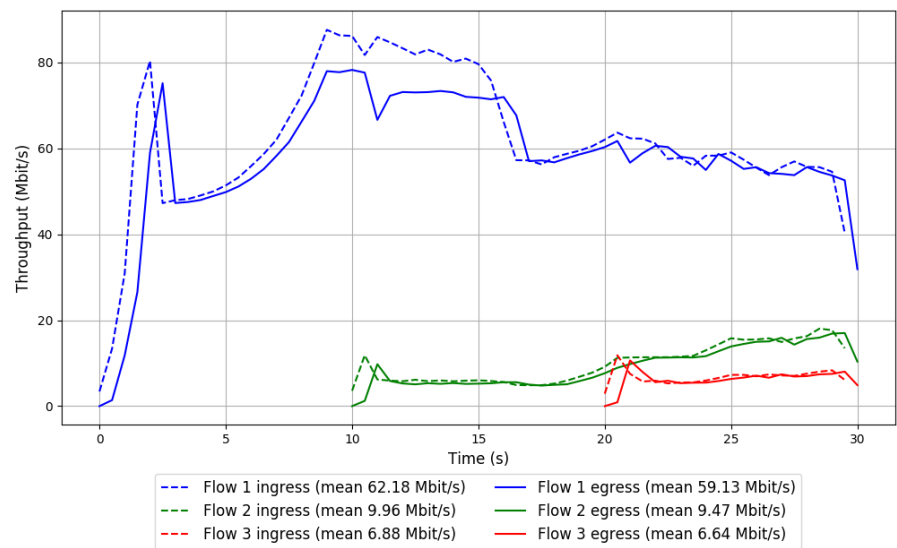
-- Flow 3:

Average throughput: 6.64 Mbit/s

95th percentile per-packet one-way delay: 85.387 ms

Loss rate: 5.14%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 10:14:47

End at: 2018-07-18 10:15:17

Local clock offset: -6.857 ms

Remote clock offset: 2.568 ms

Below is generated by plot.py at 2018-07-18 12:50:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.31 Mbit/s

95th percentile per-packet one-way delay: 111.659 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 46.85 Mbit/s

95th percentile per-packet one-way delay: 111.790 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 39.14 Mbit/s

95th percentile per-packet one-way delay: 111.661 ms

Loss rate: 1.53%

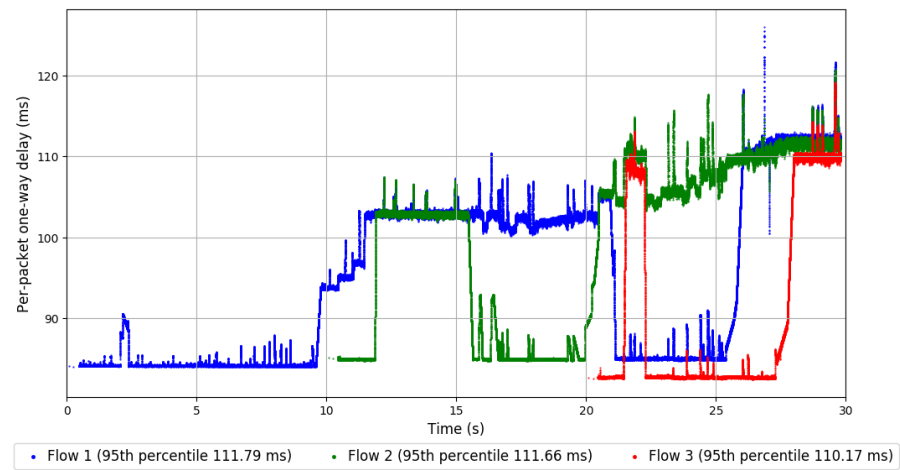
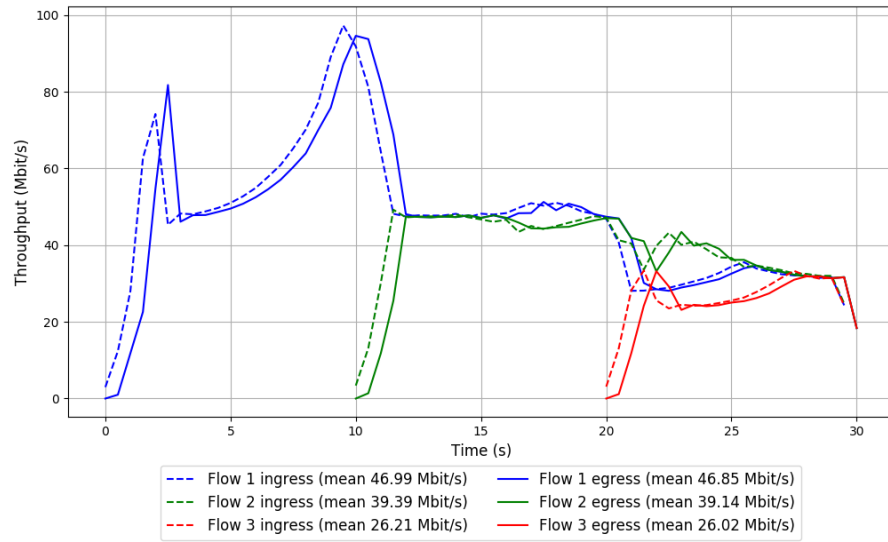
-- Flow 3:

Average throughput: 26.02 Mbit/s

95th percentile per-packet one-way delay: 110.168 ms

Loss rate: 2.48%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 10:36:08

End at: 2018-07-18 10:36:38

Local clock offset: -3.326 ms

Remote clock offset: 6.171 ms

Below is generated by plot.py at 2018-07-18 12:50:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.47 Mbit/s

95th percentile per-packet one-way delay: 111.712 ms

Loss rate: 3.23%

-- Flow 1:

Average throughput: 50.96 Mbit/s

95th percentile per-packet one-way delay: 108.763 ms

Loss rate: 3.36%

-- Flow 2:

Average throughput: 25.54 Mbit/s

95th percentile per-packet one-way delay: 112.077 ms

Loss rate: 3.20%

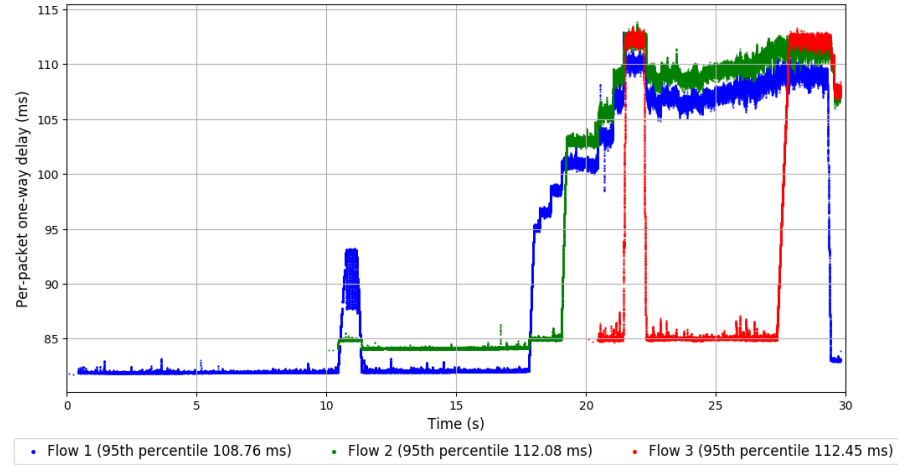
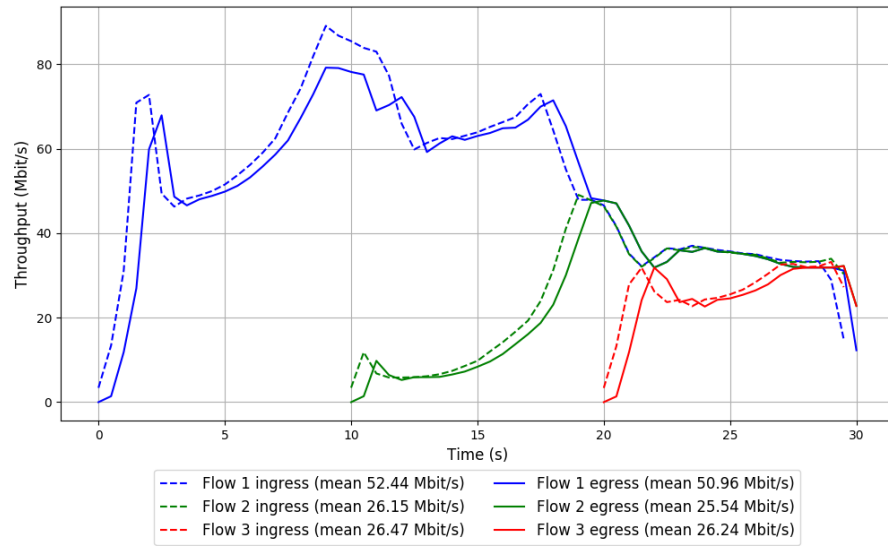
-- Flow 3:

Average throughput: 26.24 Mbit/s

95th percentile per-packet one-way delay: 112.454 ms

Loss rate: 2.51%

Run 5: Report of PCC-Expr — Data Link

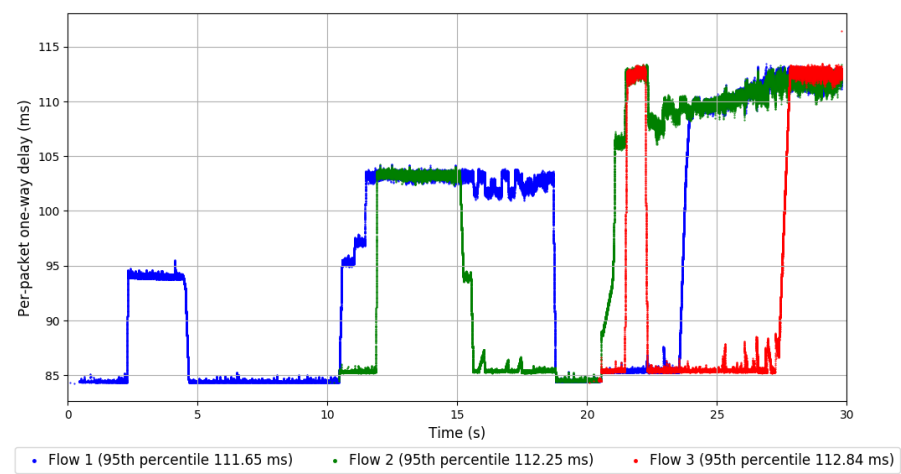
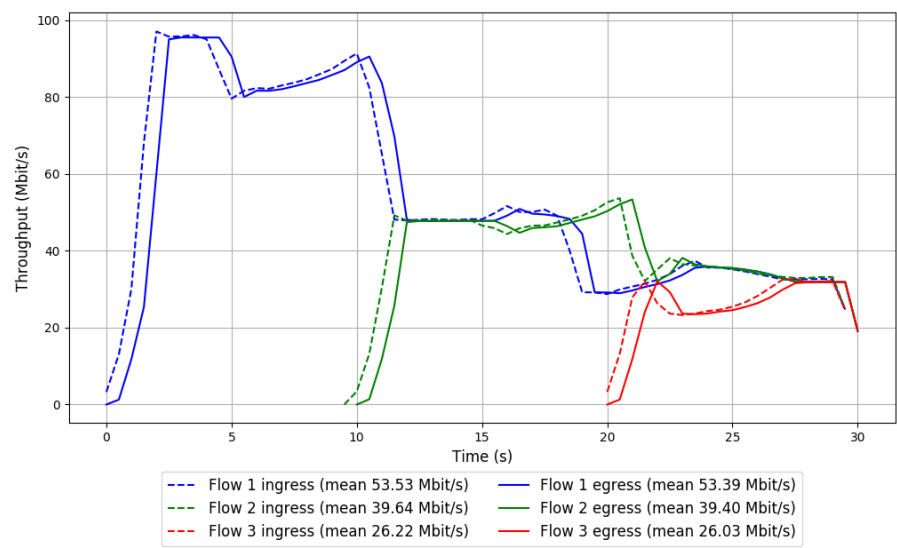


Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 10:57:20
End at: 2018-07-18 10:57:50
Local clock offset: -1.563 ms
Remote clock offset: 12.367 ms

Below is generated by plot.py at 2018-07-18 12:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 112.315 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 53.39 Mbit/s
95th percentile per-packet one-way delay: 111.647 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 112.249 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 26.03 Mbit/s
95th percentile per-packet one-way delay: 112.836 ms
Loss rate: 2.51%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 11:18:52

End at: 2018-07-18 11:19:22

Local clock offset: -1.908 ms

Remote clock offset: 8.699 ms

Below is generated by plot.py at 2018-07-18 12:51:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.64 Mbit/s

95th percentile per-packet one-way delay: 103.457 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 53.83 Mbit/s

95th percentile per-packet one-way delay: 102.715 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 104.445 ms

Loss rate: 1.24%

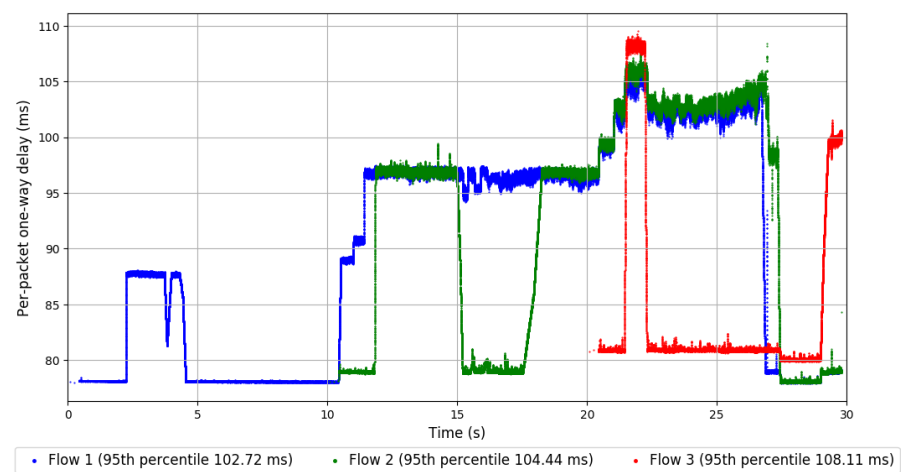
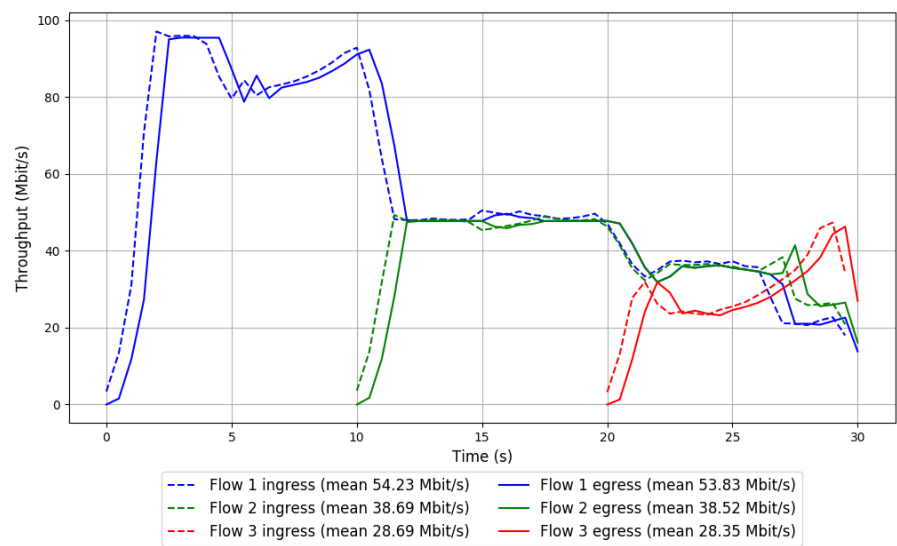
-- Flow 3:

Average throughput: 28.35 Mbit/s

95th percentile per-packet one-way delay: 108.107 ms

Loss rate: 2.90%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 11:40:04

End at: 2018-07-18 11:40:34

Local clock offset: -6.421 ms

Remote clock offset: 7.668 ms

Below is generated by plot.py at 2018-07-18 12:51:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.78 Mbit/s

95th percentile per-packet one-way delay: 105.450 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 54.39 Mbit/s

95th percentile per-packet one-way delay: 106.484 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 38.78 Mbit/s

95th percentile per-packet one-way delay: 100.787 ms

Loss rate: 1.14%

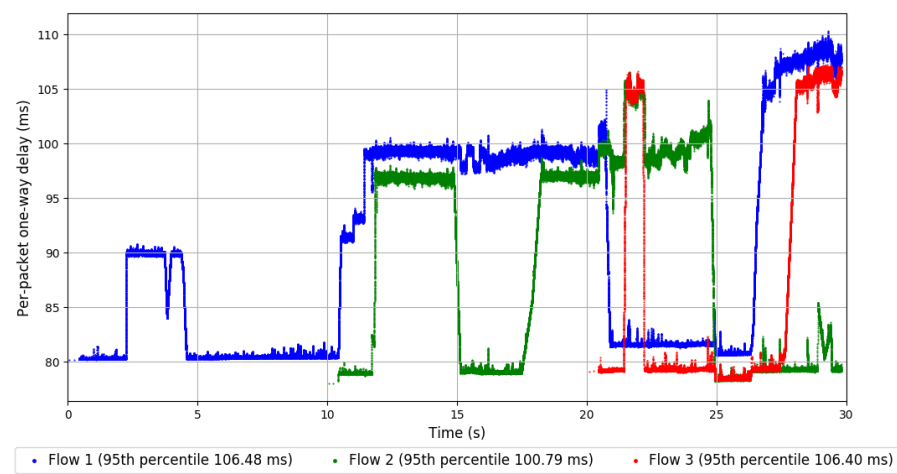
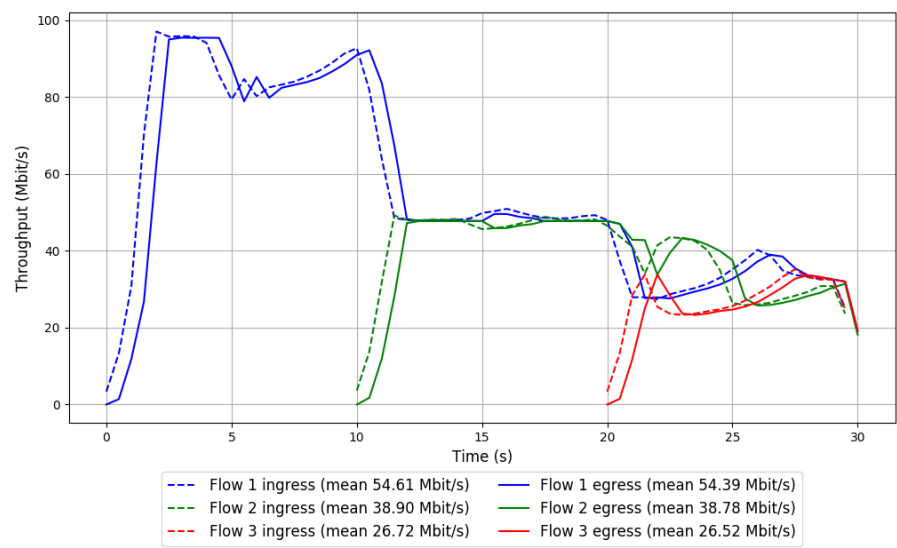
-- Flow 3:

Average throughput: 26.52 Mbit/s

95th percentile per-packet one-way delay: 106.404 ms

Loss rate: 2.48%

Run 8: Report of PCC-Expr — Data Link

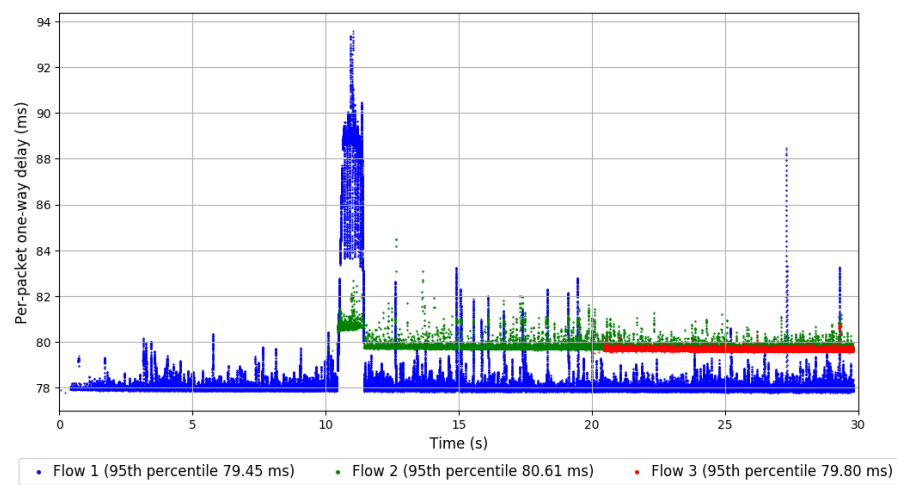
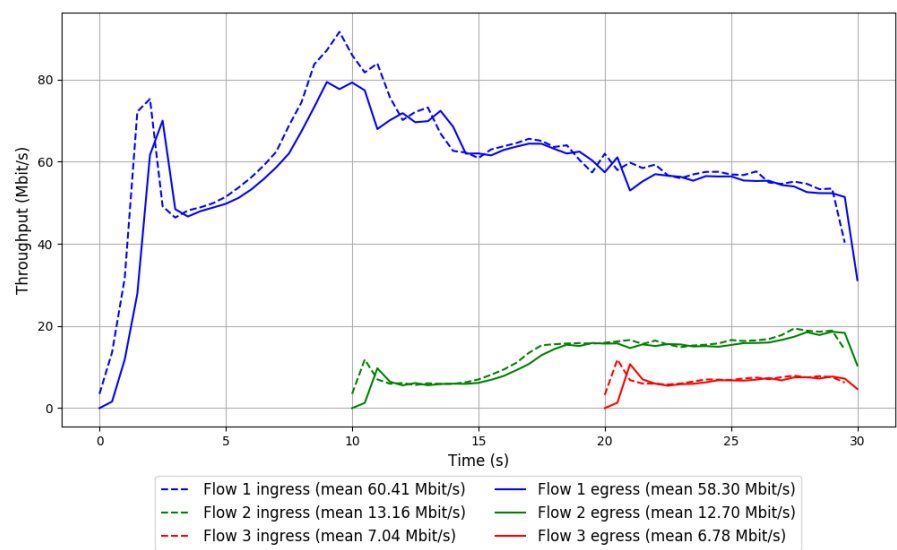


Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 12:01:26
End at: 2018-07-18 12:01:56
Local clock offset: -4.523 ms
Remote clock offset: 16.117 ms

Below is generated by plot.py at 2018-07-18 12:52:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.93 Mbit/s
95th percentile per-packet one-way delay: 80.072 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 79.454 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 80.606 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 79.799 ms
Loss rate: 5.35%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 12:22:45

End at: 2018-07-18 12:23:15

Local clock offset: -1.166 ms

Remote clock offset: 6.423 ms

Below is generated by plot.py at 2018-07-18 12:52:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.39 Mbit/s

95th percentile per-packet one-way delay: 83.196 ms

Loss rate: 6.38%

-- Flow 1:

Average throughput: 58.34 Mbit/s

95th percentile per-packet one-way delay: 83.179 ms

Loss rate: 5.95%

-- Flow 2:

Average throughput: 13.79 Mbit/s

95th percentile per-packet one-way delay: 83.461 ms

Loss rate: 8.01%

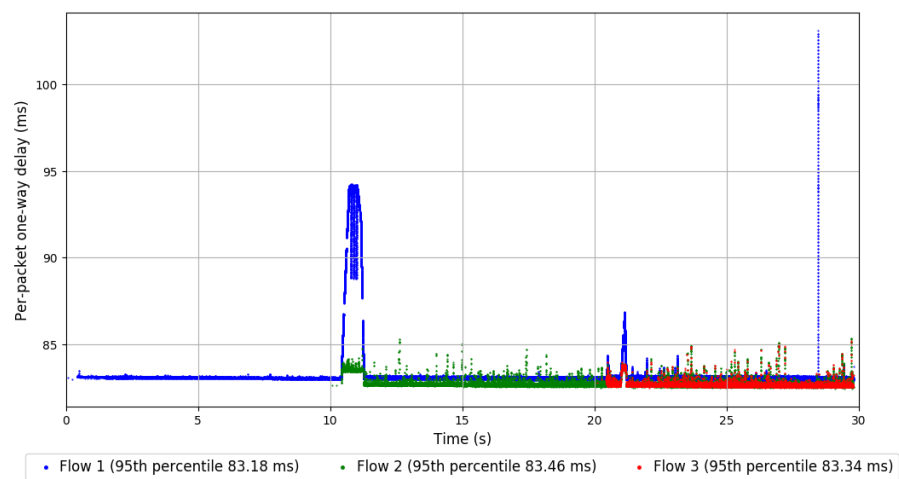
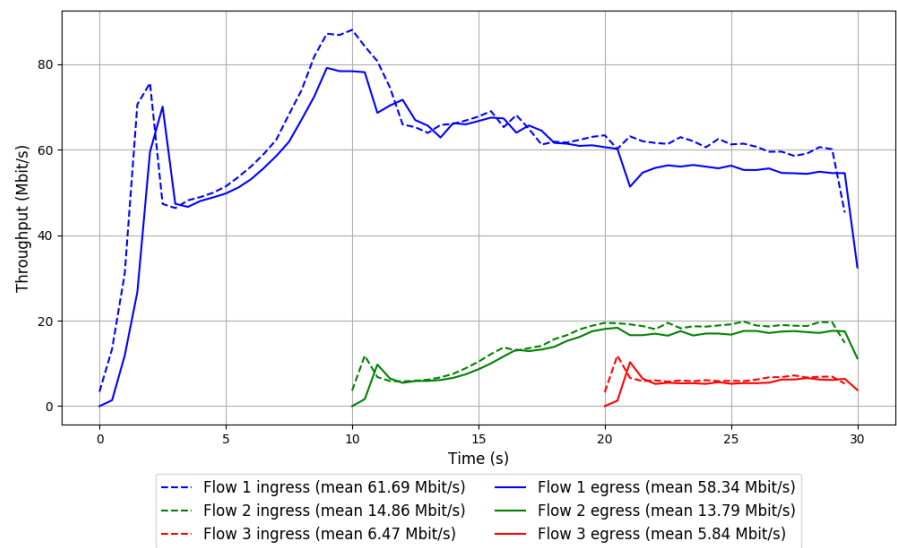
-- Flow 3:

Average throughput: 5.84 Mbit/s

95th percentile per-packet one-way delay: 83.336 ms

Loss rate: 11.22%

Run 10: Report of PCC-Expr — Data Link

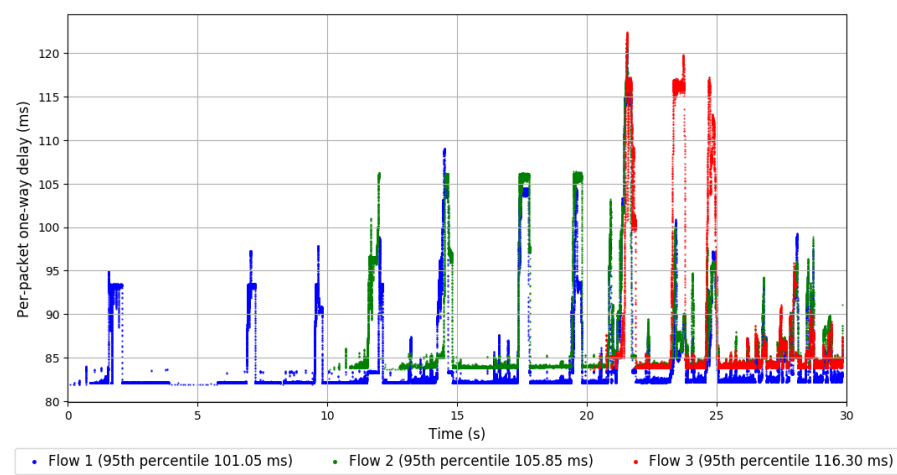
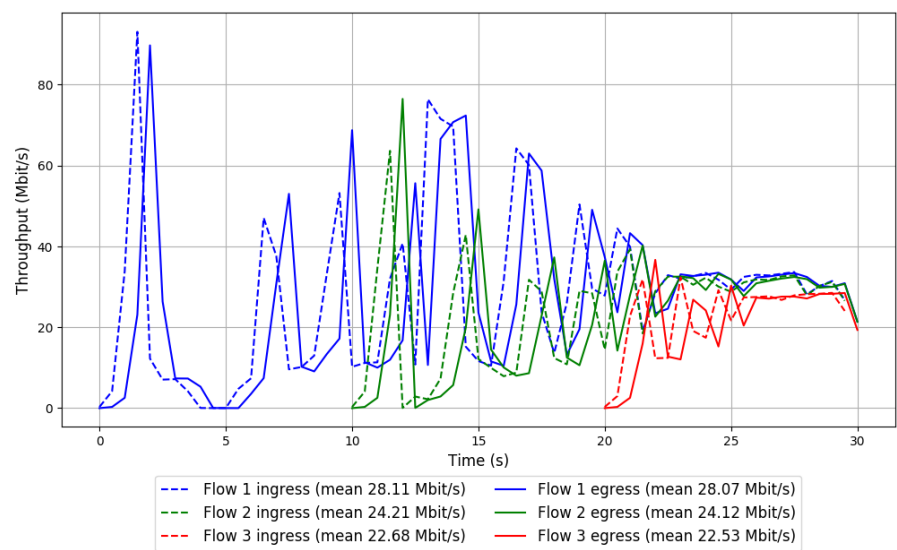


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-18 09:06:09
End at: 2018-07-18 09:06:39
Local clock offset: -6.123 ms
Remote clock offset: 10.108 ms

Below is generated by plot.py at 2018-07-18 12:52:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.44 Mbit/s
95th percentile per-packet one-way delay: 105.666 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 28.07 Mbit/s
95th percentile per-packet one-way delay: 101.052 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 105.851 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 116.300 ms
Loss rate: 2.31%

Run 1: Report of QUIC Cubic — Data Link

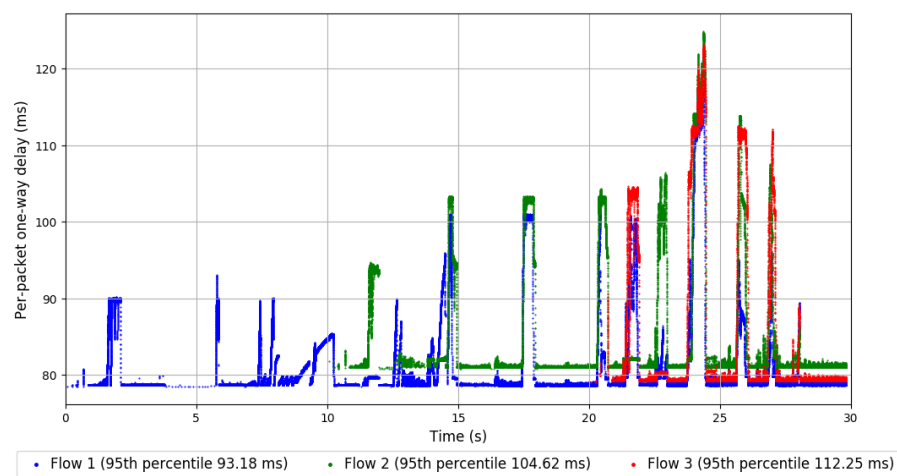
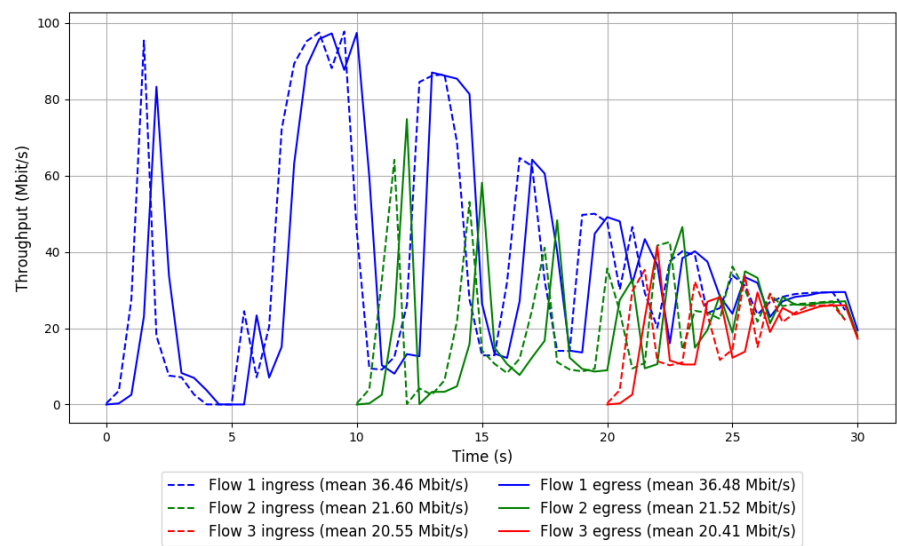


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 09:27:23
End at: 2018-07-18 09:27:53
Local clock offset: -7.937 ms
Remote clock offset: 13.389 ms

Below is generated by plot.py at 2018-07-18 12:52:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 103.245 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 93.181 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 104.616 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 112.246 ms
Loss rate: 2.35%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 09:48:45

End at: 2018-07-18 09:49:15

Local clock offset: -7.458 ms

Remote clock offset: 10.23 ms

Below is generated by plot.py at 2018-07-18 12:52:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.96 Mbit/s

95th percentile per-packet one-way delay: 107.309 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 29.21 Mbit/s

95th percentile per-packet one-way delay: 106.870 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 105.380 ms

Loss rate: 1.19%

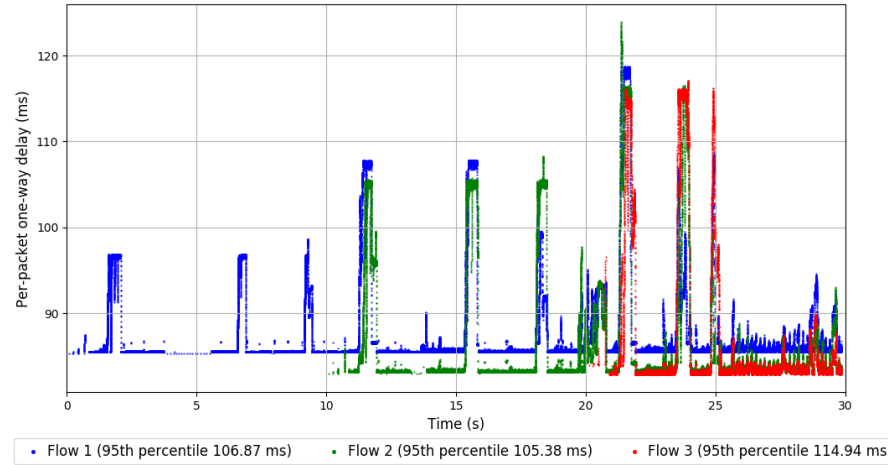
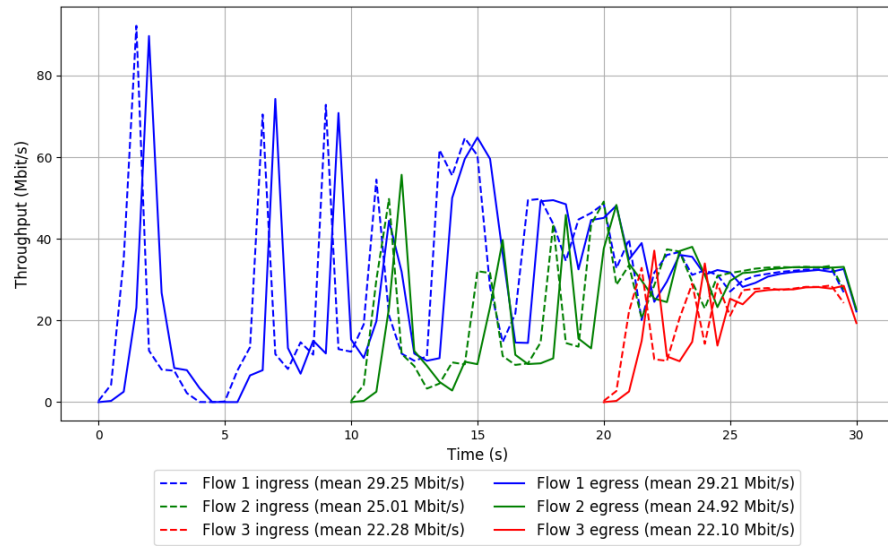
-- Flow 3:

Average throughput: 22.10 Mbit/s

95th percentile per-packet one-way delay: 114.935 ms

Loss rate: 2.43%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-18 10:09:56

End at: 2018-07-18 10:10:26

Local clock offset: -6.829 ms

Remote clock offset: 3.737 ms

Below is generated by plot.py at 2018-07-18 12:52:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.59 Mbit/s

95th percentile per-packet one-way delay: 106.032 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 30.84 Mbit/s

95th percentile per-packet one-way delay: 105.816 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 105.924 ms

Loss rate: 1.21%

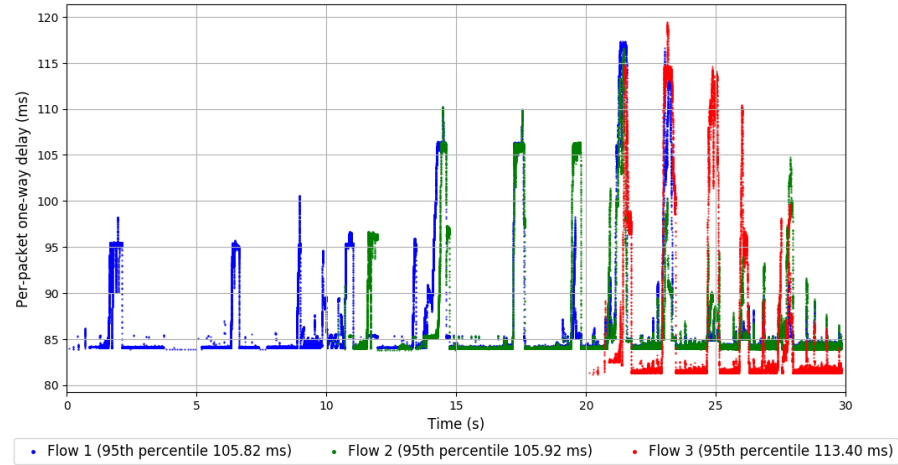
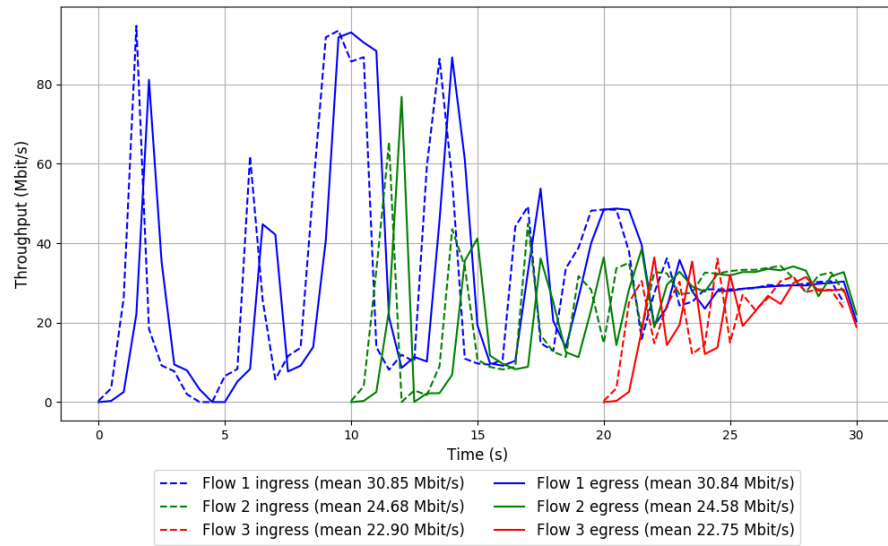
-- Flow 3:

Average throughput: 22.75 Mbit/s

95th percentile per-packet one-way delay: 113.400 ms

Loss rate: 2.29%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-18 10:31:15

End at: 2018-07-18 10:31:45

Local clock offset: -4.45 ms

Remote clock offset: 5.634 ms

Below is generated by plot.py at 2018-07-18 12:52:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.40 Mbit/s

95th percentile per-packet one-way delay: 102.829 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 30.81 Mbit/s

95th percentile per-packet one-way delay: 101.934 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 23.37 Mbit/s

95th percentile per-packet one-way delay: 102.878 ms

Loss rate: 1.22%

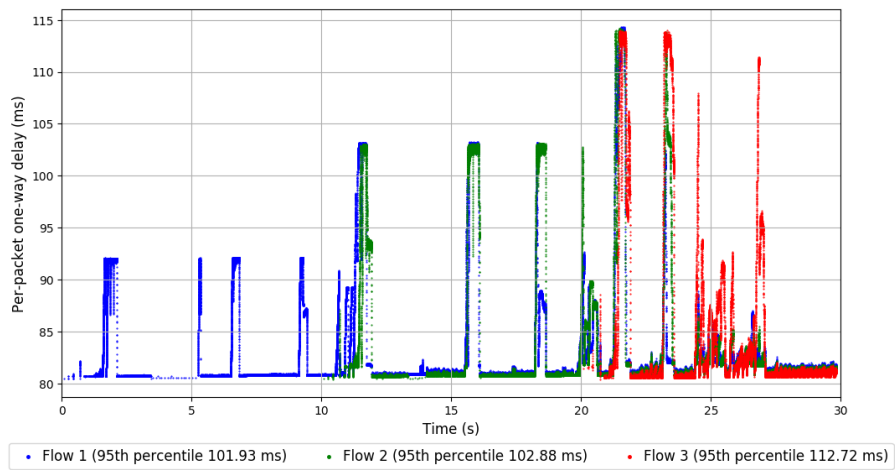
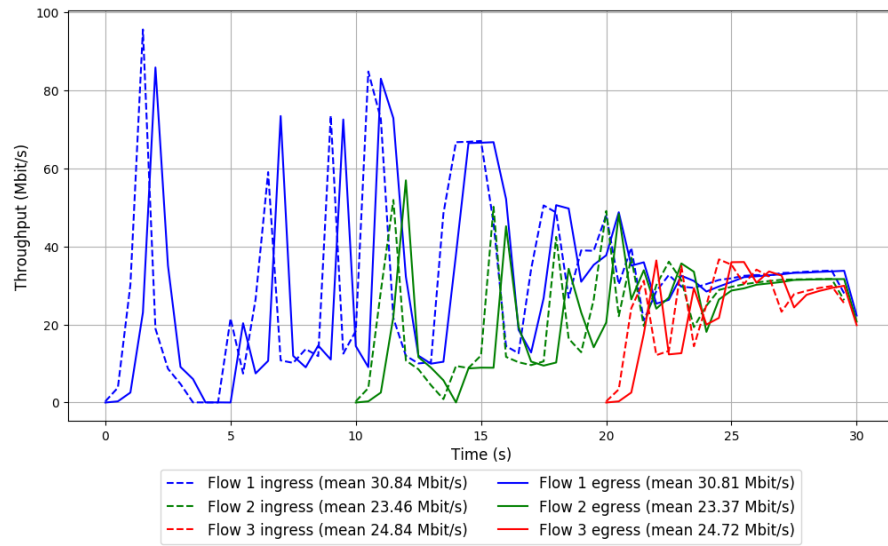
-- Flow 3:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 112.717 ms

Loss rate: 2.16%

Run 5: Report of QUIC Cubic — Data Link

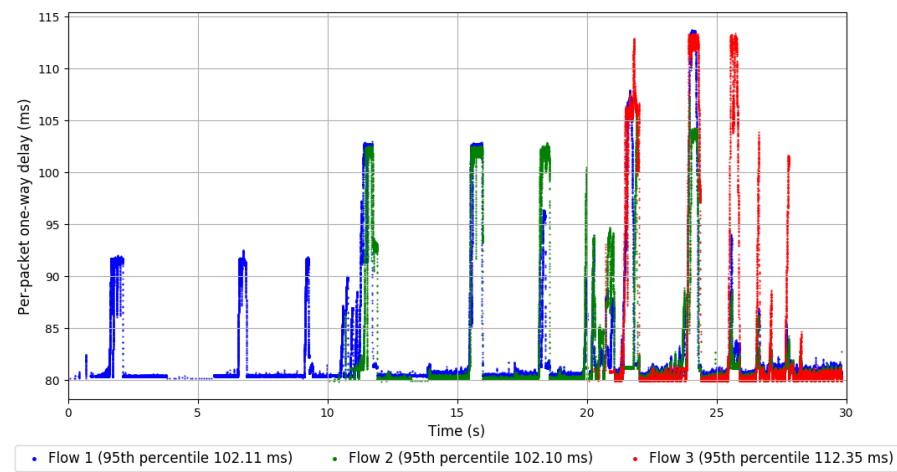
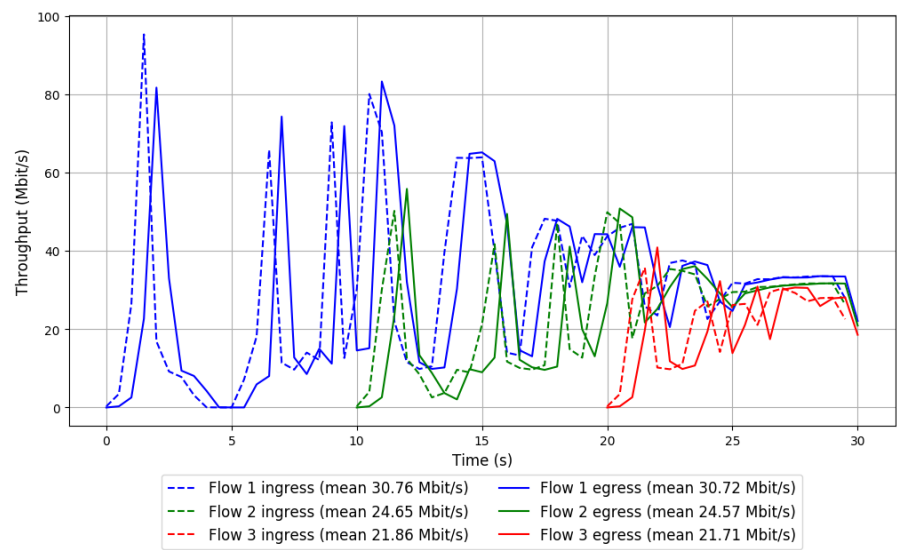


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-18 10:52:26
End at: 2018-07-18 10:52:56
Local clock offset: -1.551 ms
Remote clock offset: 15.627 ms

Below is generated by plot.py at 2018-07-18 12:52:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 102.469 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 102.106 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 102.104 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: 112.351 ms
Loss rate: 2.34%

Run 6: Report of QUIC Cubic — Data Link

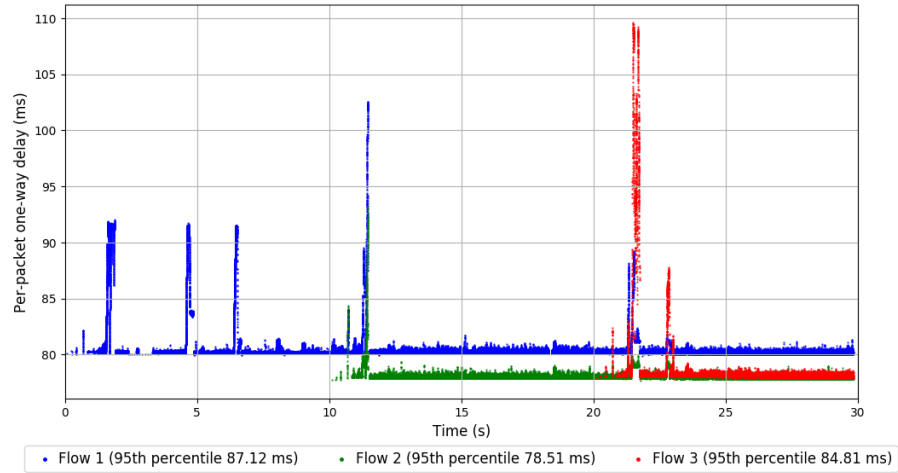
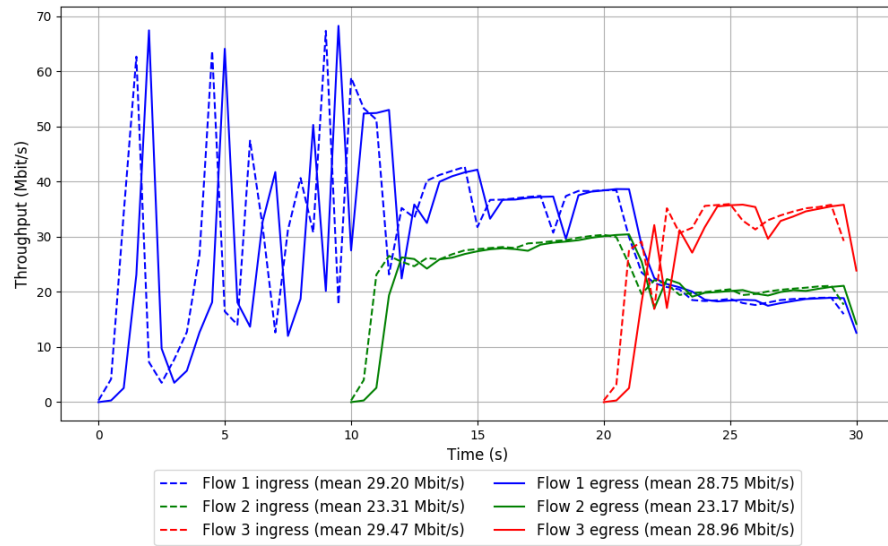


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-18 11:13:58
End at: 2018-07-18 11:14:28
Local clock offset: -1.968 ms
Remote clock offset: 10.363 ms

Below is generated by plot.py at 2018-07-18 12:52:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 83.683 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 87.117 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 78.513 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 84.809 ms
Loss rate: 3.35%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 11:35:11

End at: 2018-07-18 11:35:41

Local clock offset: -5.475 ms

Remote clock offset: 5.284 ms

Below is generated by plot.py at 2018-07-18 12:52:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.58 Mbit/s

95th percentile per-packet one-way delay: 103.416 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 39.53 Mbit/s

95th percentile per-packet one-way delay: 102.881 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 20.77 Mbit/s

95th percentile per-packet one-way delay: 105.021 ms

Loss rate: 1.47%

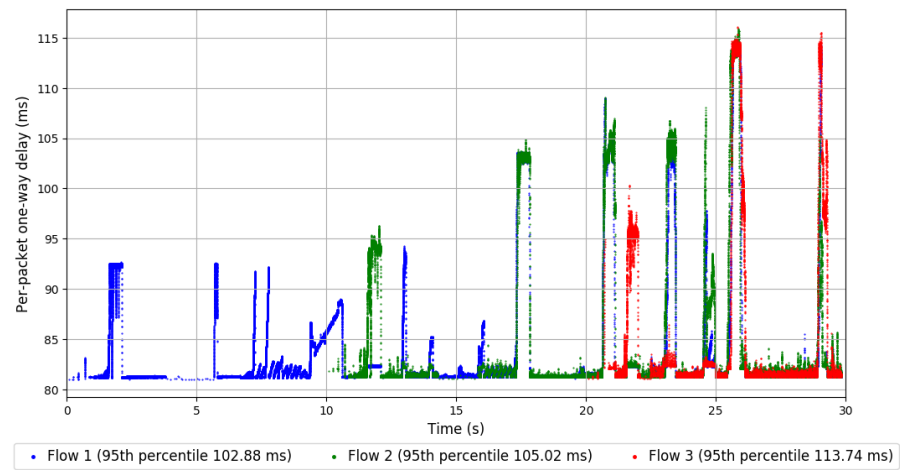
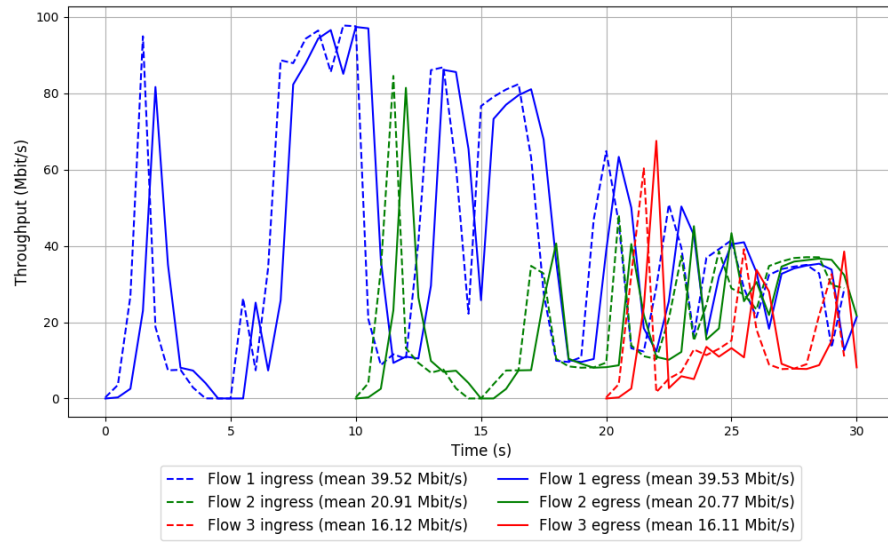
-- Flow 3:

Average throughput: 16.11 Mbit/s

95th percentile per-packet one-way delay: 113.740 ms

Loss rate: 1.75%

Run 8: Report of QUIC Cubic — Data Link

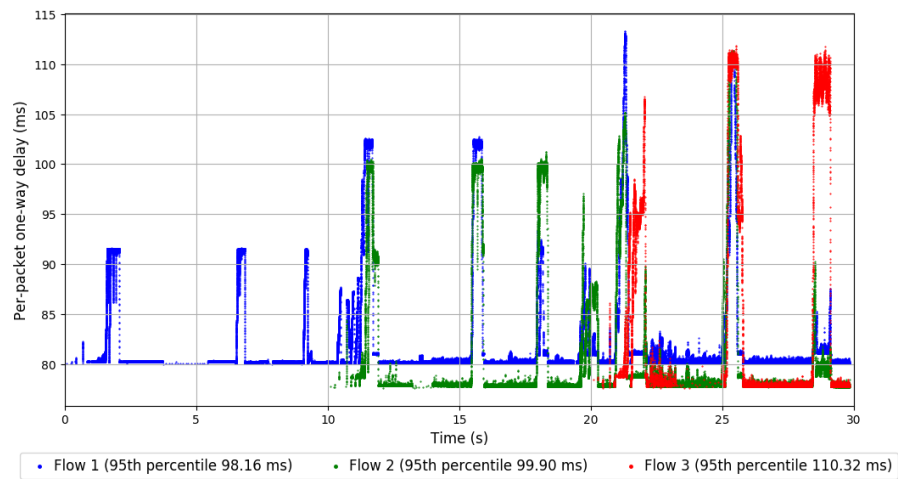
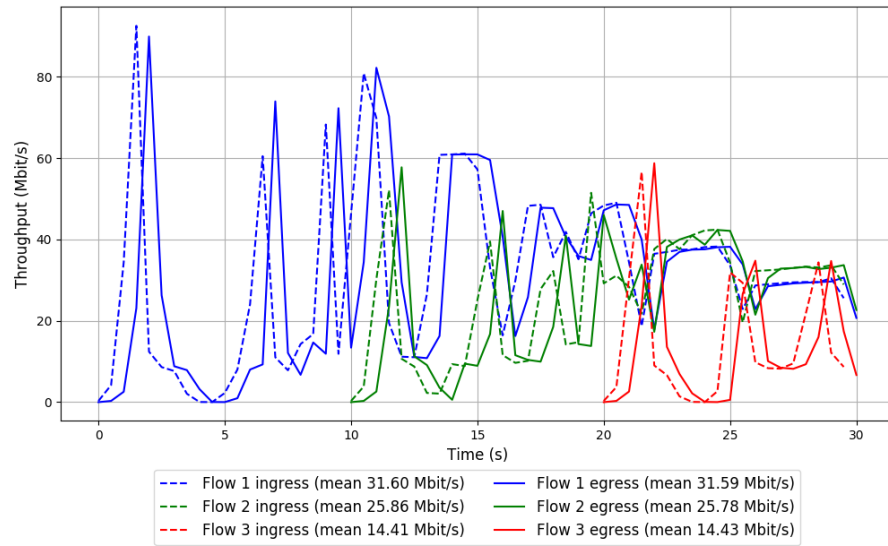


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 11:56:33
End at: 2018-07-18 11:57:03
Local clock offset: -6.865 ms
Remote clock offset: 15.115 ms

Below is generated by plot.py at 2018-07-18 12:52:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 102.009 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 98.155 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 25.78 Mbit/s
95th percentile per-packet one-way delay: 99.898 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 110.317 ms
Loss rate: 1.48%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 12:17:53

End at: 2018-07-18 12:18:23

Local clock offset: -1.5 ms

Remote clock offset: 8.739 ms

Below is generated by plot.py at 2018-07-18 12:52:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.84 Mbit/s

95th percentile per-packet one-way delay: 106.424 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 31.95 Mbit/s

95th percentile per-packet one-way delay: 95.144 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 107.134 ms

Loss rate: 1.13%

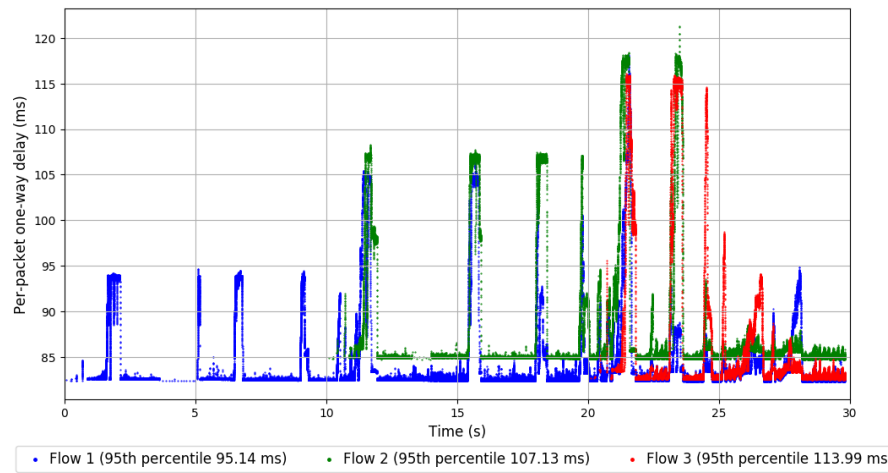
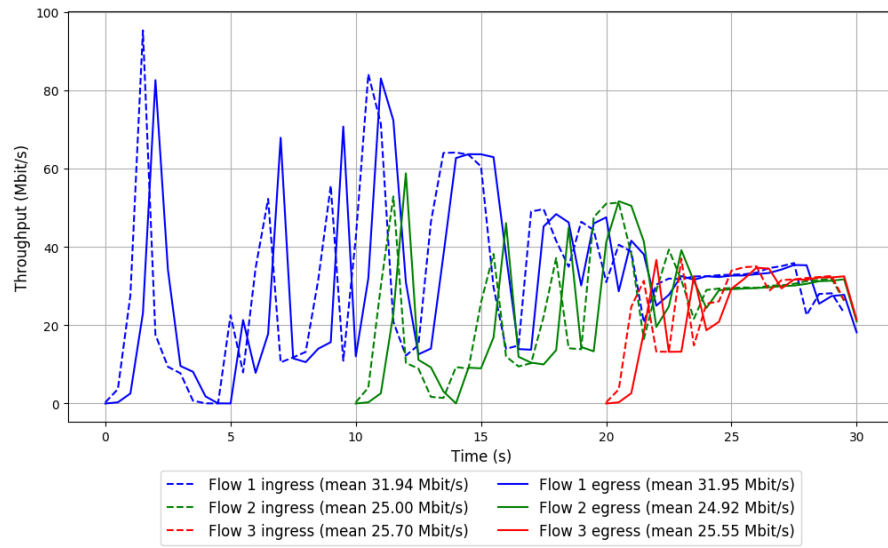
-- Flow 3:

Average throughput: 25.55 Mbit/s

95th percentile per-packet one-way delay: 113.993 ms

Loss rate: 2.23%

Run 10: Report of QUIC Cubic — Data Link

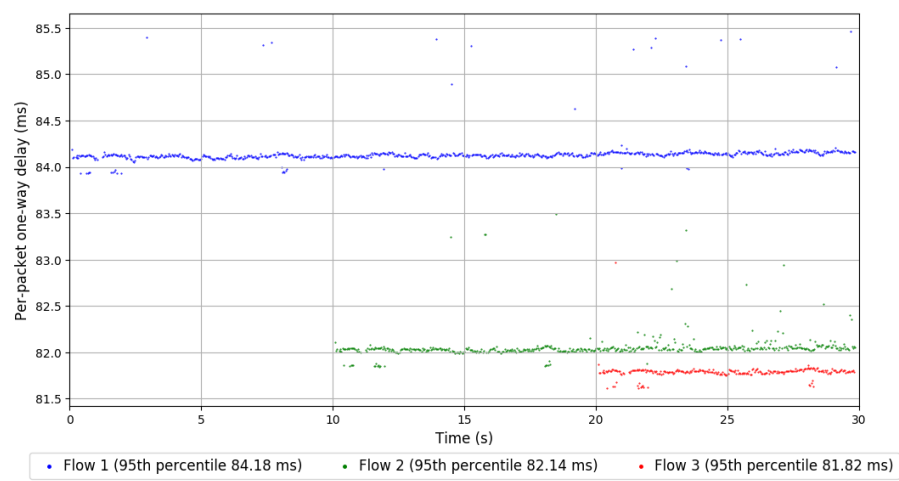
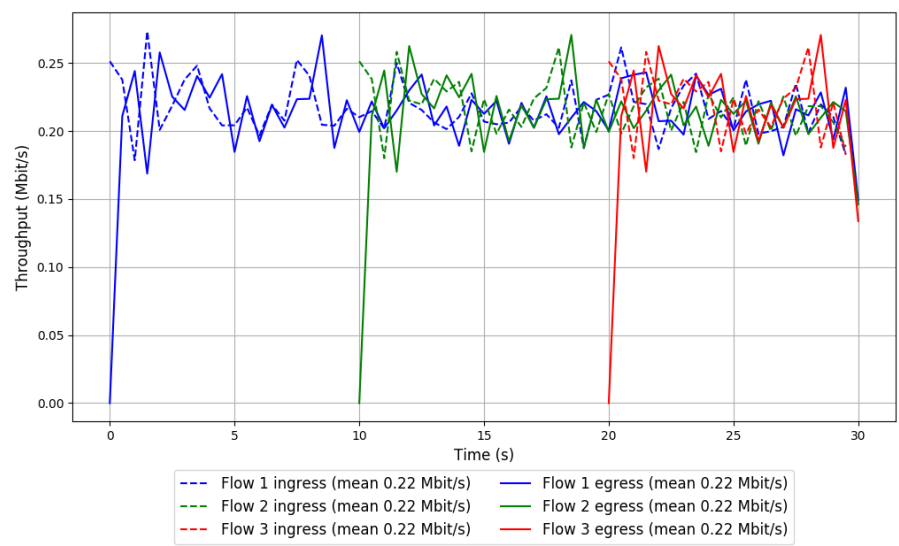


```
Run 1: Statistics of SReAM

Start at: 2018-07-18 09:12:20
End at: 2018-07-18 09:12:50
Local clock offset: -7.119 ms
Remote clock offset: 10.002 ms

# Below is generated by plot.py at 2018-07-18 12:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 84.164 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.176 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.138 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.824 ms
Loss rate: 1.84%
```

Run 1: Report of SReAM — Data Link

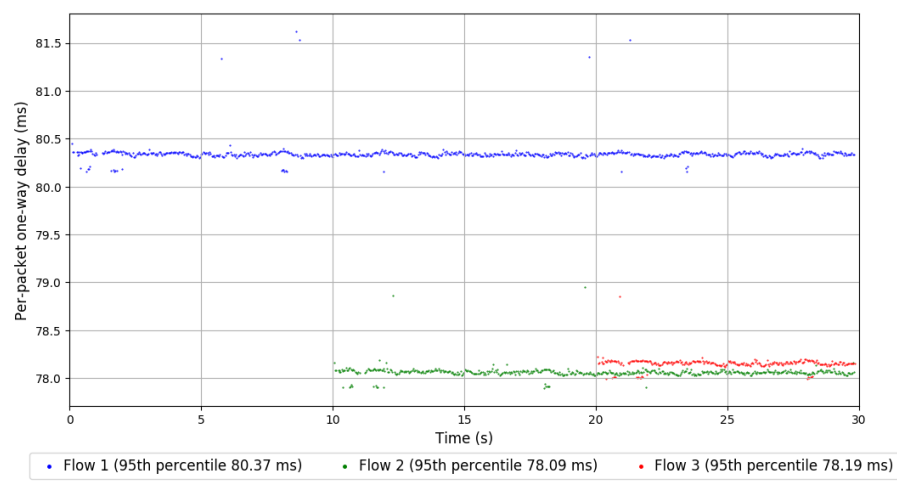
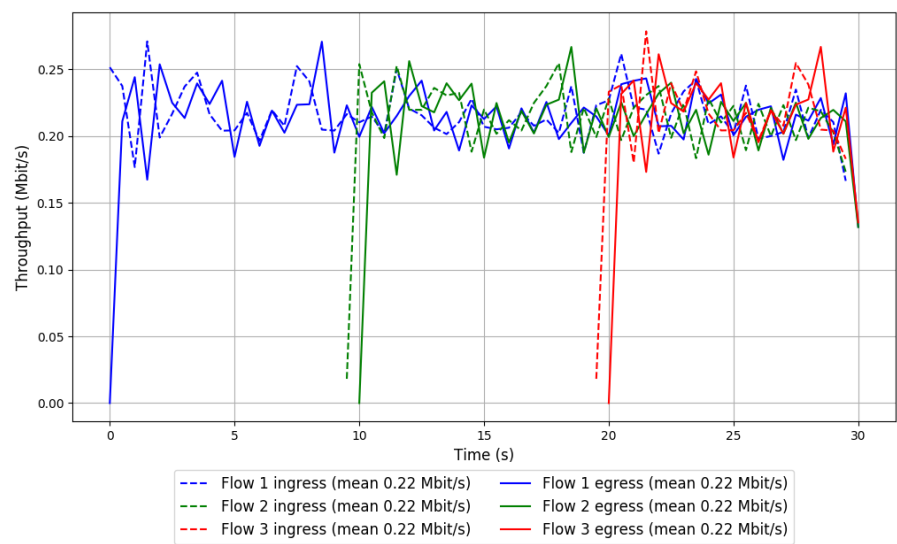


Run 2: Statistics of SReAM

Start at: 2018-07-18 09:33:34
End at: 2018-07-18 09:34:04
Local clock offset: -7.558 ms
Remote clock offset: 14.712 ms

Below is generated by plot.py at 2018-07-18 12:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 80.363 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.369 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.095 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.187 ms
Loss rate: 1.45%

Run 2: Report of SReAM — Data Link

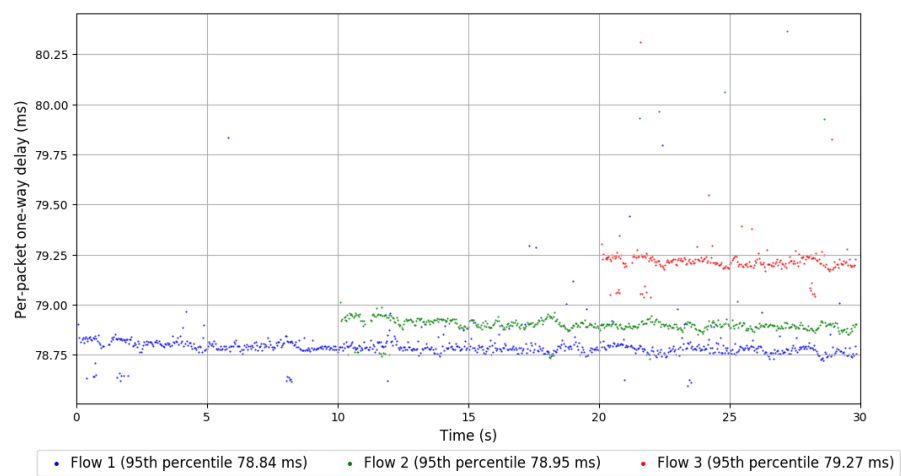
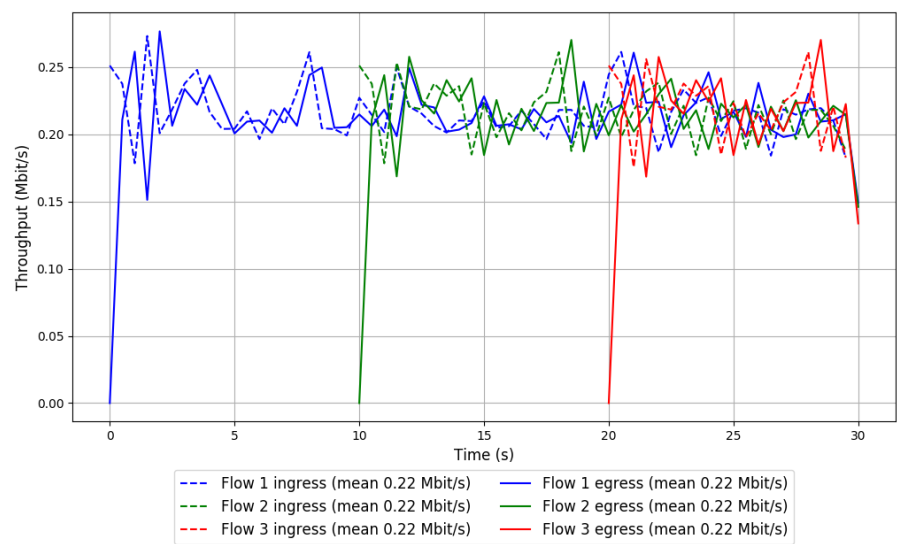


Run 3: Statistics of SReAM

Start at: 2018-07-18 09:54:55
End at: 2018-07-18 09:55:25
Local clock offset: -7.573 ms
Remote clock offset: 16.406 ms

Below is generated by plot.py at 2018-07-18 12:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 79.232 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.843 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.948 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.271 ms
Loss rate: 1.84%

Run 3: Report of SReAM — Data Link

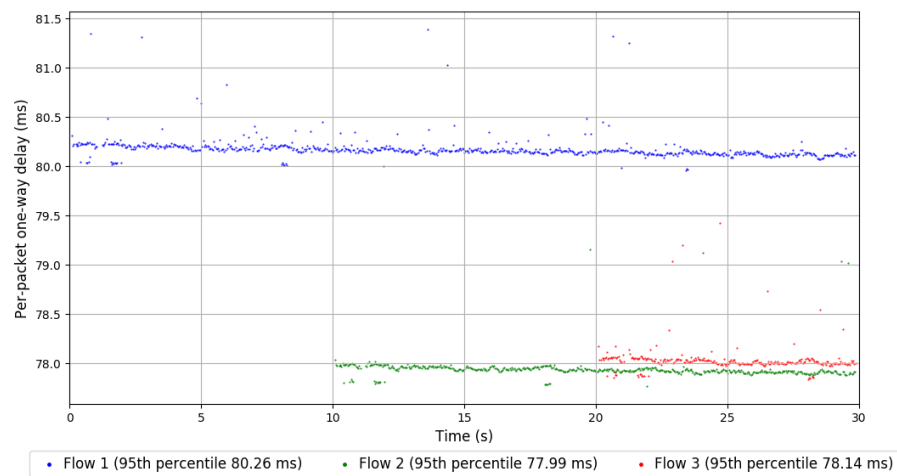
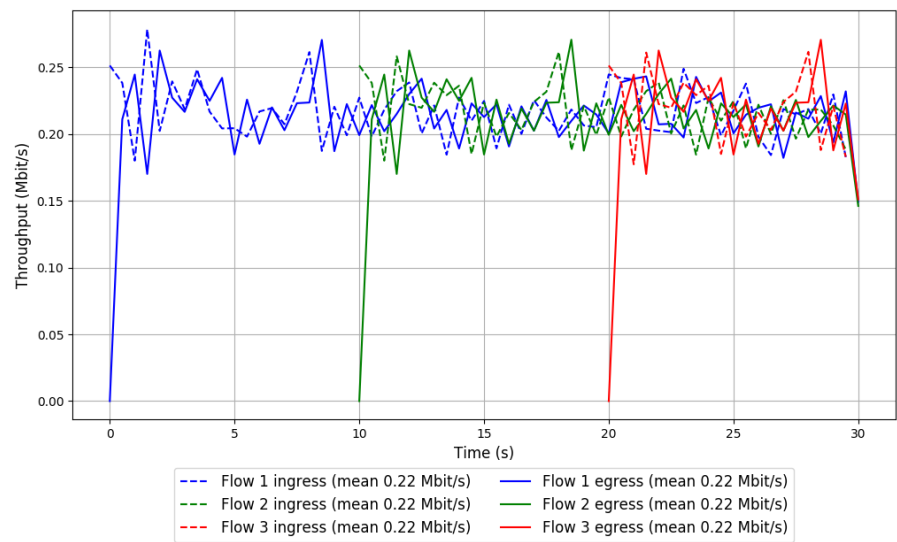


Run 4: Statistics of SReAM

Start at: 2018-07-18 10:16:05
End at: 2018-07-18 10:16:35
Local clock offset: -6.788 ms
Remote clock offset: 6.214 ms

```
# Below is generated by plot.py at 2018-07-18 12:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 80.224 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.258 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.986 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.138 ms
Loss rate: 1.45%
```


Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-18 10:37:26

End at: 2018-07-18 10:37:56

Local clock offset: -3.125 ms

Remote clock offset: 7.101 ms

Below is generated by plot.py at 2018-07-18 12:52:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 84.320 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.161 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.342 ms

Loss rate: 0.82%

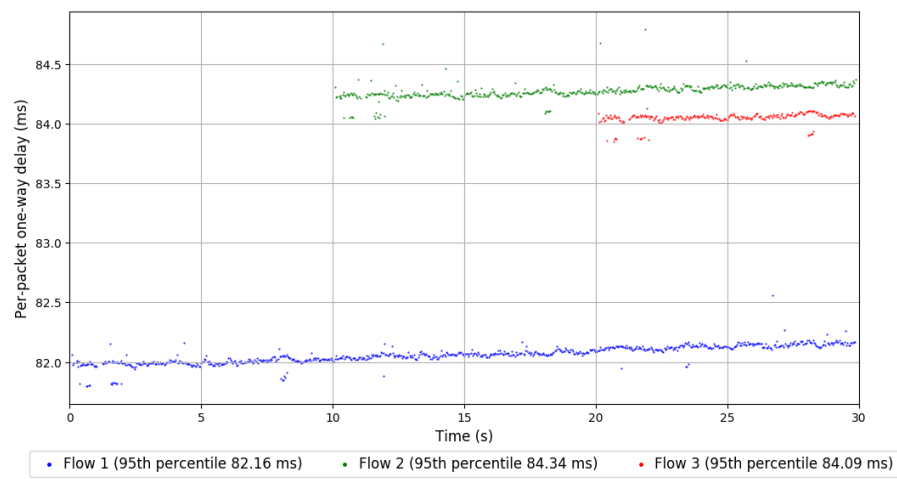
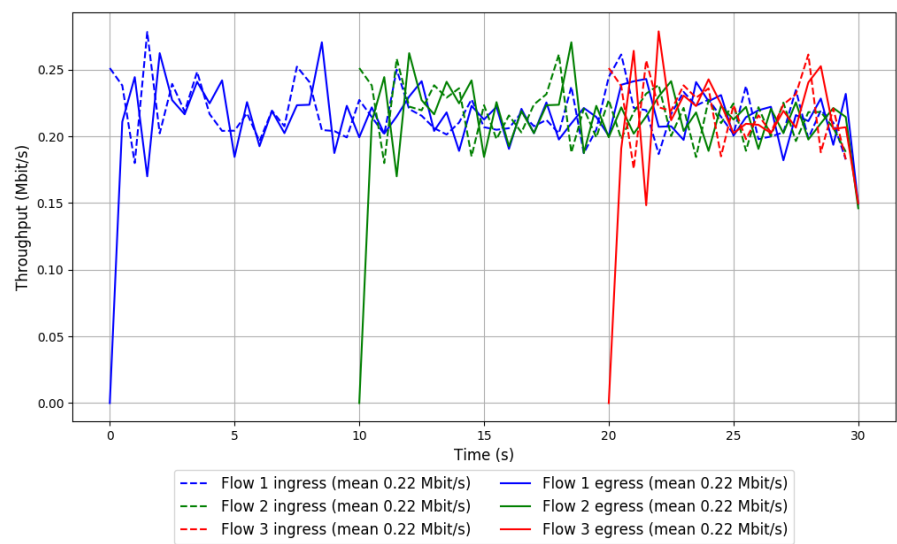
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.091 ms

Loss rate: 1.84%

Run 5: Report of SReAM — Data Link

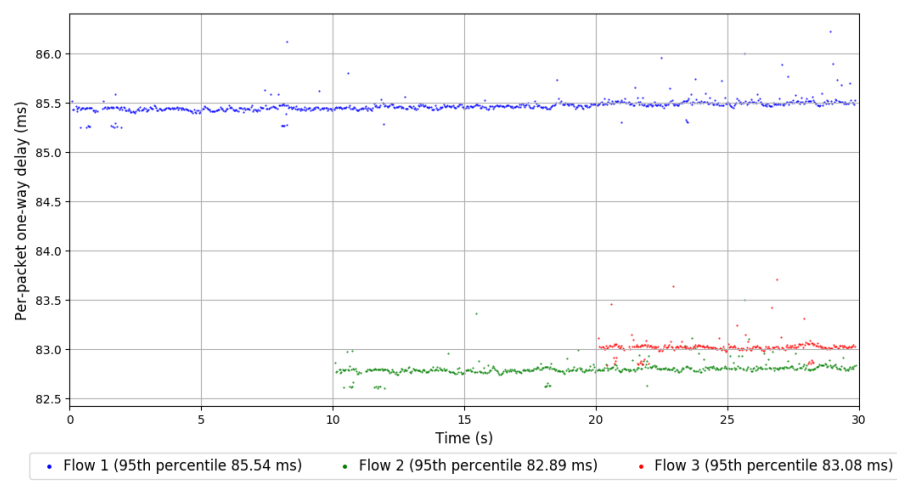
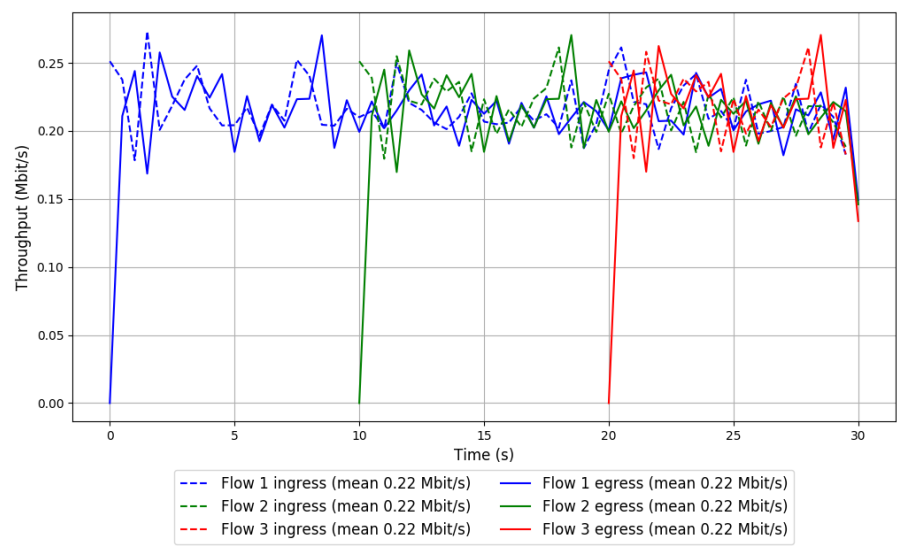


Run 6: Statistics of SReAM

Start at: 2018-07-18 10:58:39
End at: 2018-07-18 10:59:09
Local clock offset: -1.674 ms
Remote clock offset: 11.427 ms

Below is generated by plot.py at 2018-07-18 12:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.514 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.538 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.889 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.084 ms
Loss rate: 1.84%

Run 6: Report of SReAM — Data Link

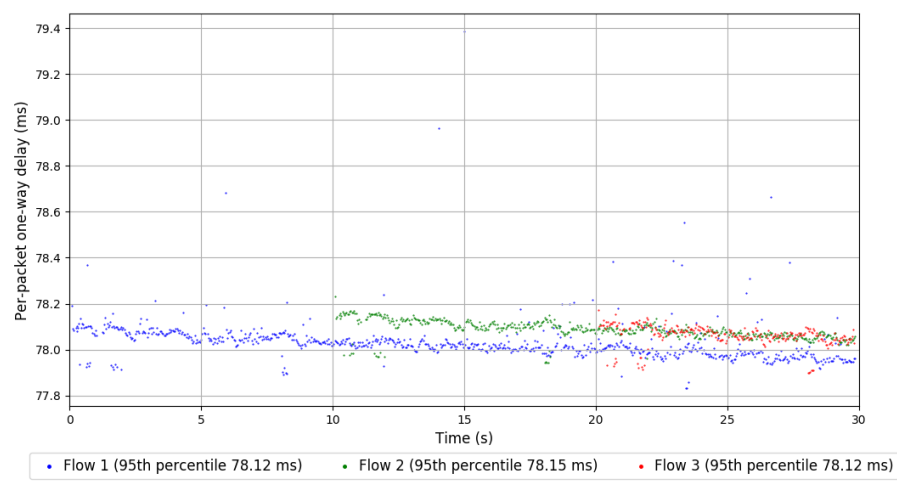
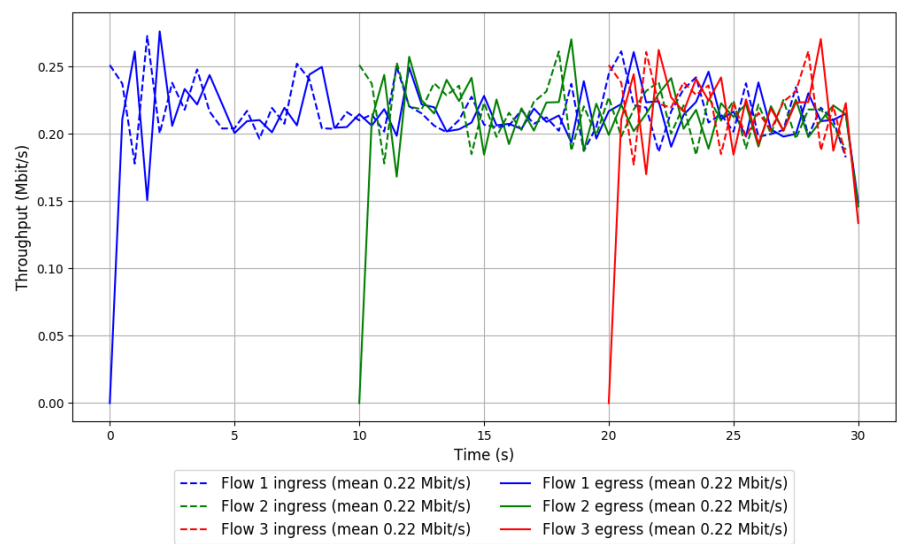


Run 7: Statistics of SReAM

Start at: 2018-07-18 11:20:11
End at: 2018-07-18 11:20:41
Local clock offset: -1.873 ms
Remote clock offset: 8.468 ms

Below is generated by plot.py at 2018-07-18 12:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 78.138 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.118 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.151 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.119 ms
Loss rate: 1.84%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-18 11:41:23

End at: 2018-07-18 11:41:53

Local clock offset: -6.572 ms

Remote clock offset: 7.7 ms

Below is generated by plot.py at 2018-07-18 12:52:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 81.879 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.953 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.883 ms

Loss rate: 0.82%

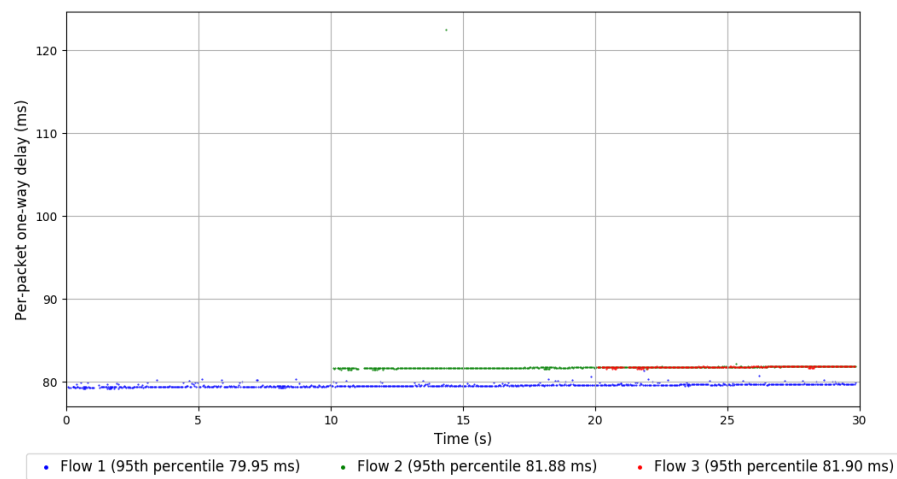
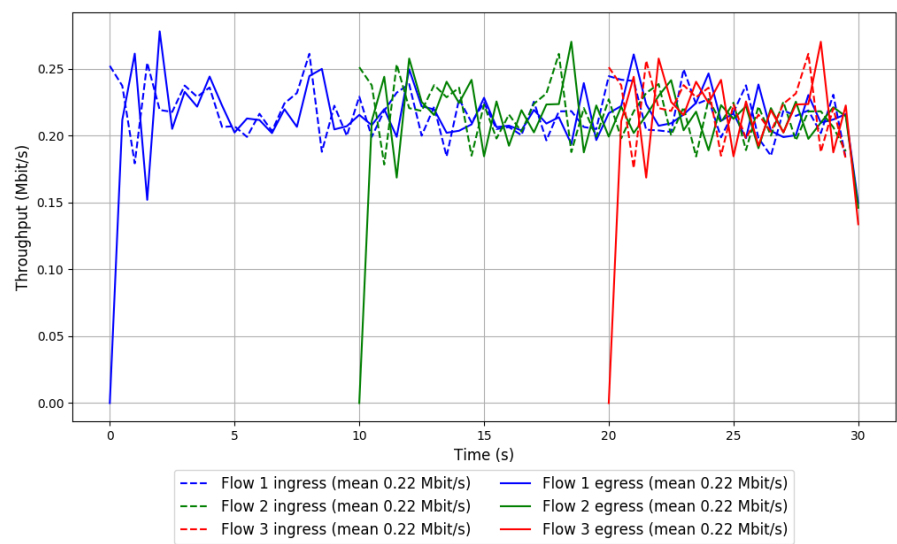
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.901 ms

Loss rate: 1.84%

Run 8: Report of SReAM — Data Link

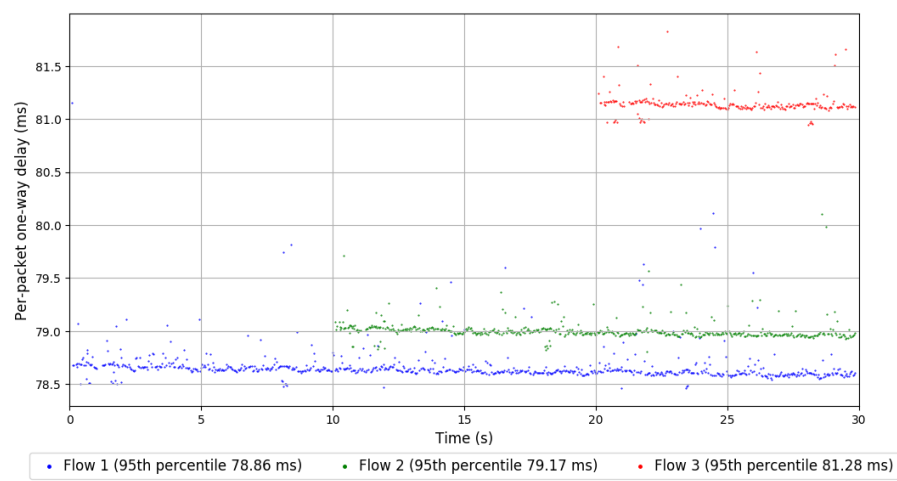
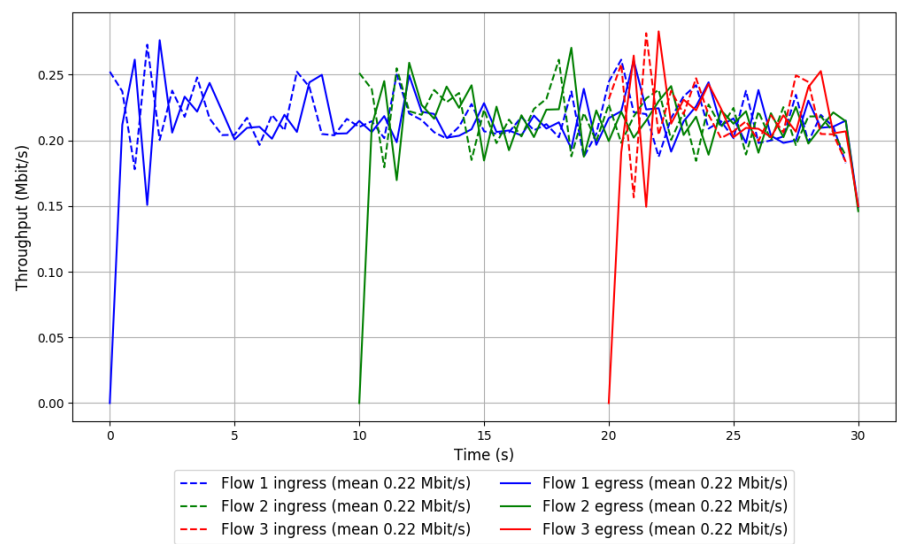


Run 9: Statistics of SReAM

Start at: 2018-07-18 12:02:45
End at: 2018-07-18 12:03:15
Local clock offset: -4.151 ms
Remote clock offset: 15.196 ms

Below is generated by plot.py at 2018-07-18 12:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.151 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.862 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.171 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.275 ms
Loss rate: 1.49%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-18 12:24:03

End at: 2018-07-18 12:24:33

Local clock offset: -1.134 ms

Remote clock offset: 6.152 ms

Below is generated by plot.py at 2018-07-18 12:52:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 85.140 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.160 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.930 ms

Loss rate: 0.82%

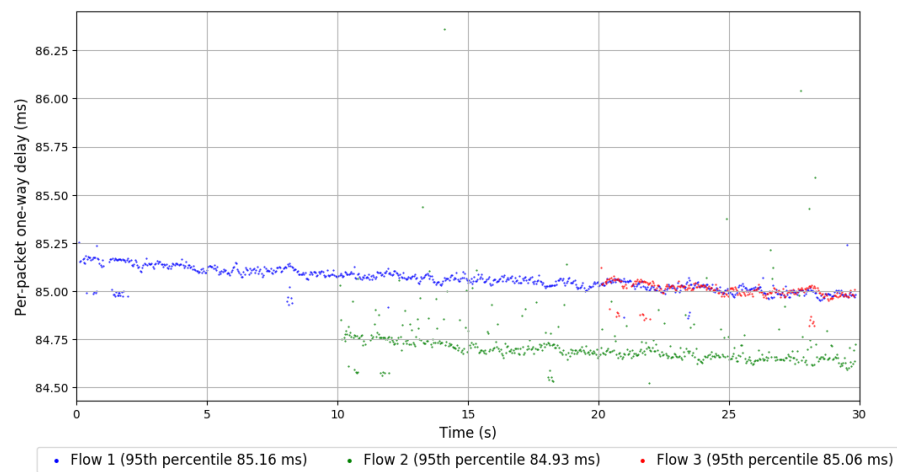
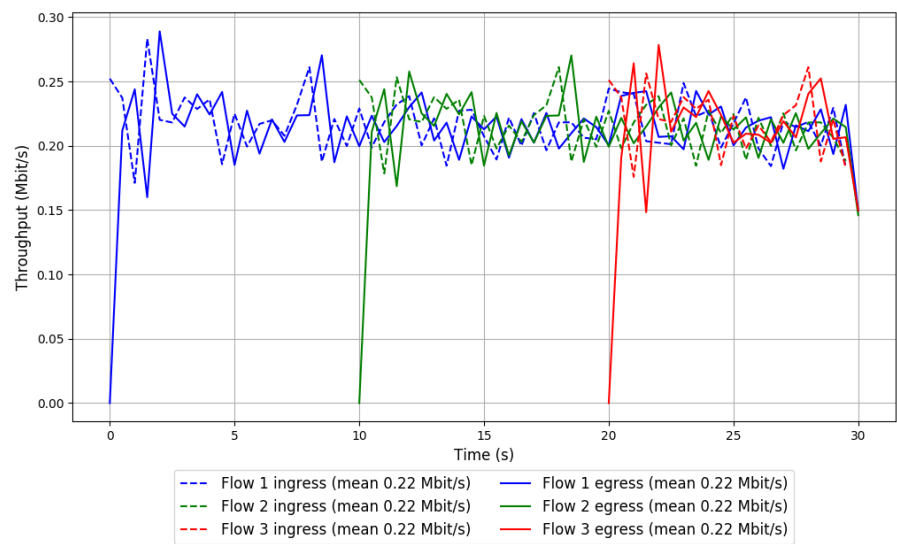
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.057 ms

Loss rate: 1.84%

Run 10: Report of SReAM — Data Link

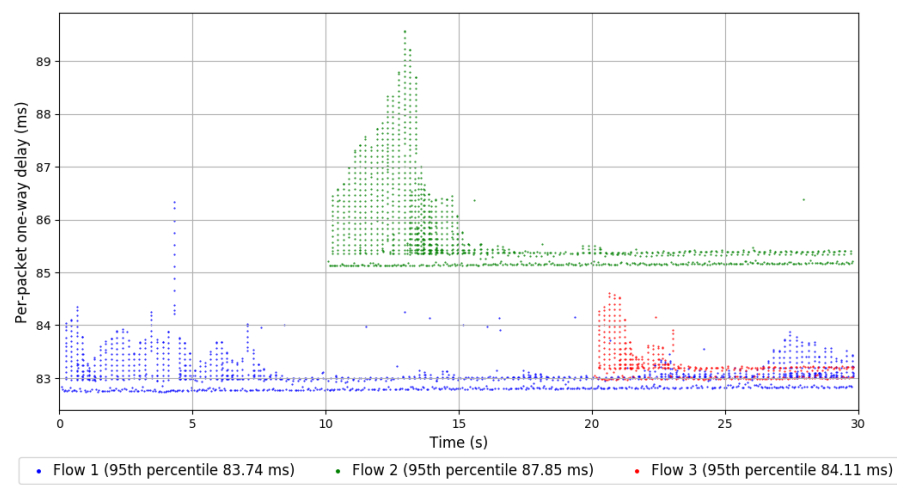
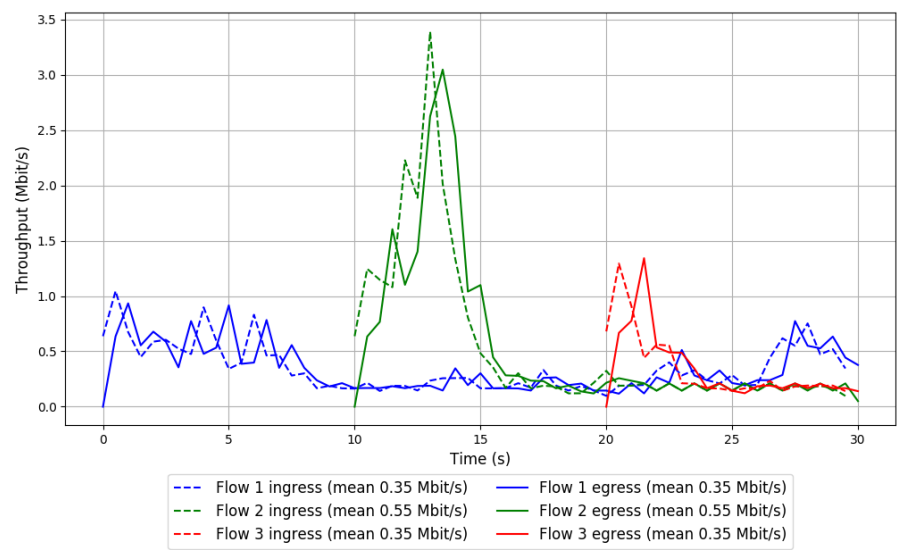


Run 1: Statistics of Sprout

Start at: 2018-07-18 09:09:50
End at: 2018-07-18 09:10:20
Local clock offset: -6.704 ms
Remote clock offset: 8.987 ms

Below is generated by plot.py at 2018-07-18 12:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 86.992 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 83.738 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 87.850 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 84.110 ms
Loss rate: 0.67%

Run 1: Report of Sprout — Data Link

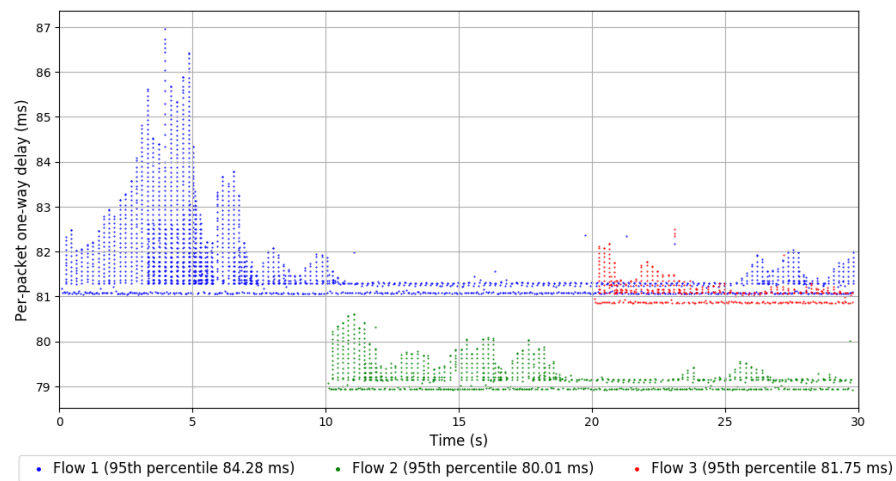
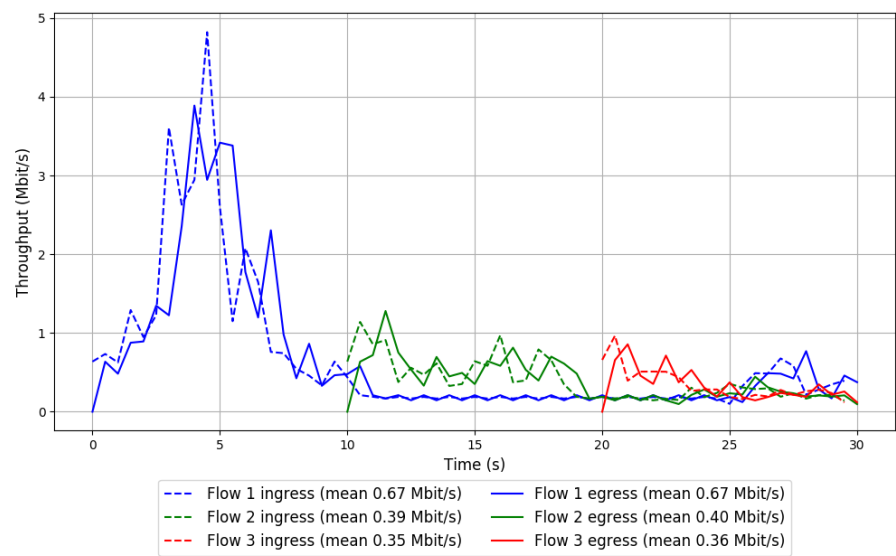


Run 2: Statistics of Sprout

Start at: 2018-07-18 09:31:05
End at: 2018-07-18 09:31:35
Local clock offset: -7.621 ms
Remote clock offset: 13.586 ms

```
# Below is generated by plot.py at 2018-07-18 12:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 83.624 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 84.283 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 80.014 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 81.747 ms
Loss rate: 0.70%
```


Run 2: Report of Sprout — Data Link

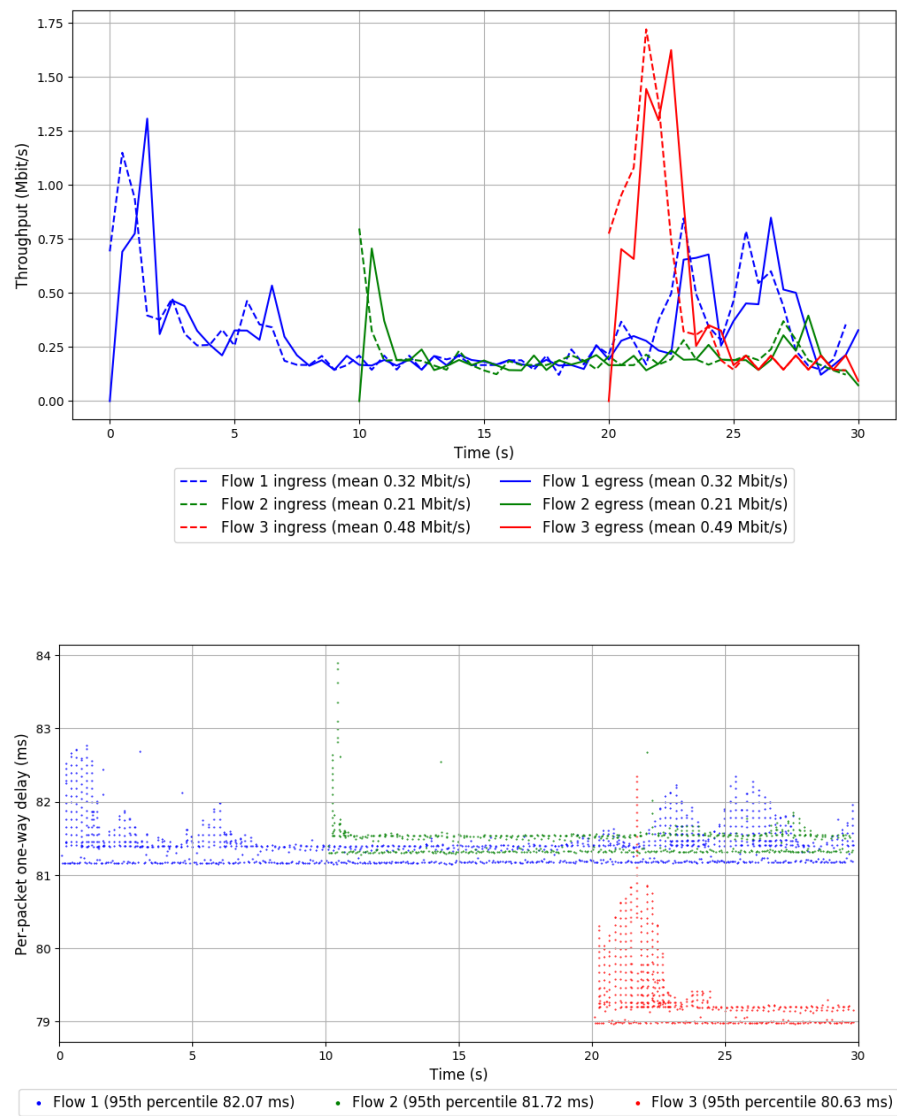


Run 3: Statistics of Sprout

Start at: 2018-07-18 09:52:27
End at: 2018-07-18 09:52:57
Local clock offset: -7.513 ms
Remote clock offset: 14.297 ms

```
# Below is generated by plot.py at 2018-07-18 12:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 81.903 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 82.070 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 81.719 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 80.628 ms
Loss rate: 0.53%
```

Run 3: Report of Sprout — Data Link

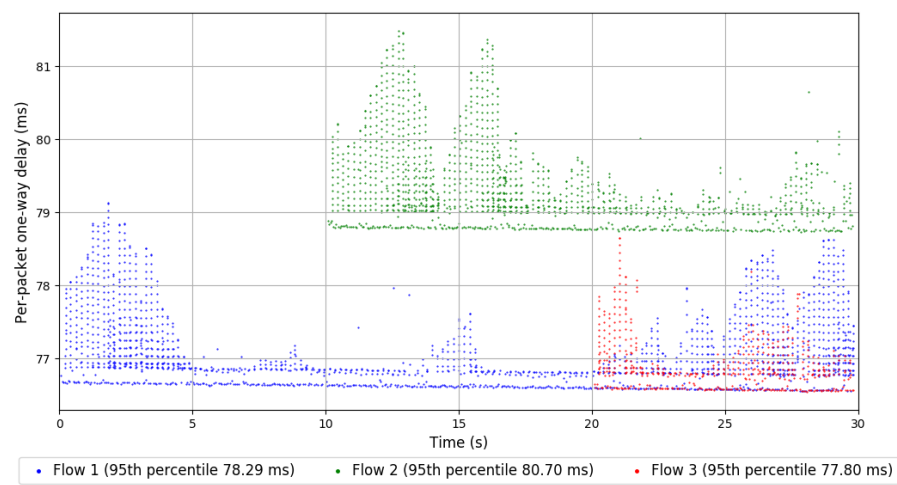
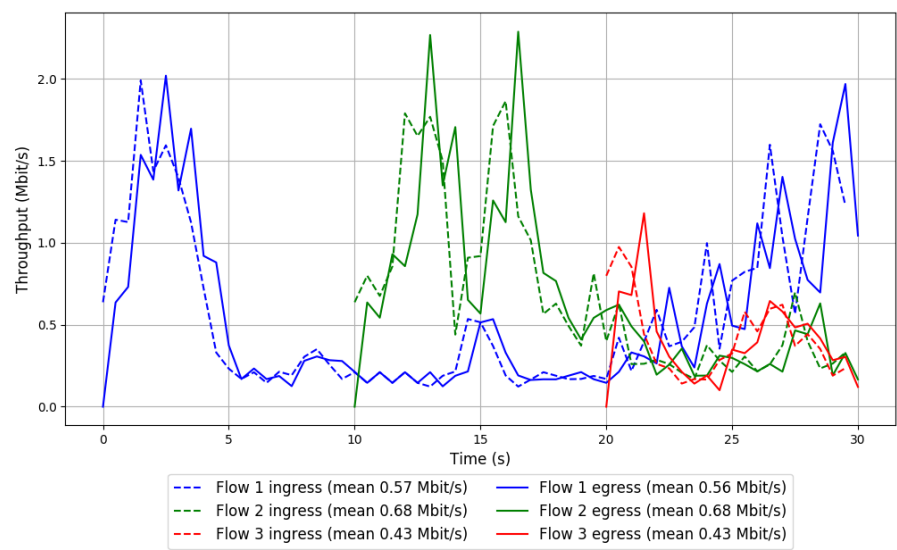


Run 4: Statistics of Sprout

Start at: 2018-07-18 10:13:37
End at: 2018-07-18 10:14:07
Local clock offset: -6.867 ms
Remote clock offset: 7.824 ms

```
# Below is generated by plot.py at 2018-07-18 12:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 80.088 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 78.291 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 80.698 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 77.802 ms
Loss rate: 1.39%
```

Run 4: Report of Sprout — Data Link

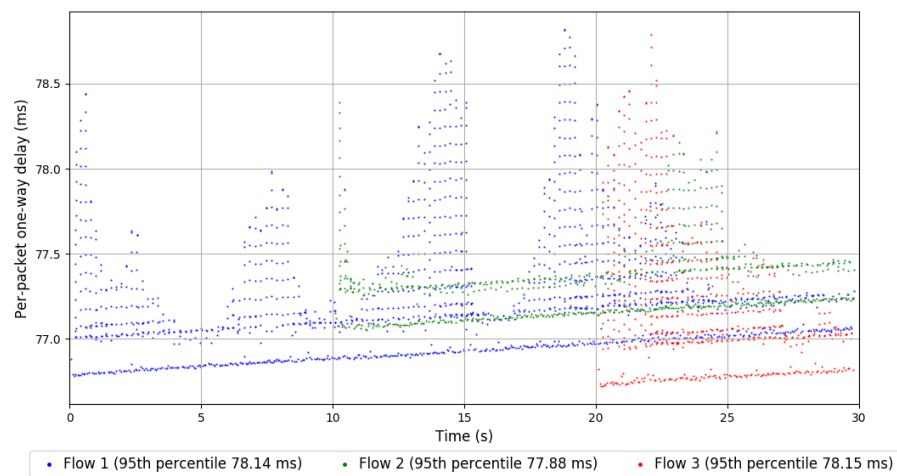
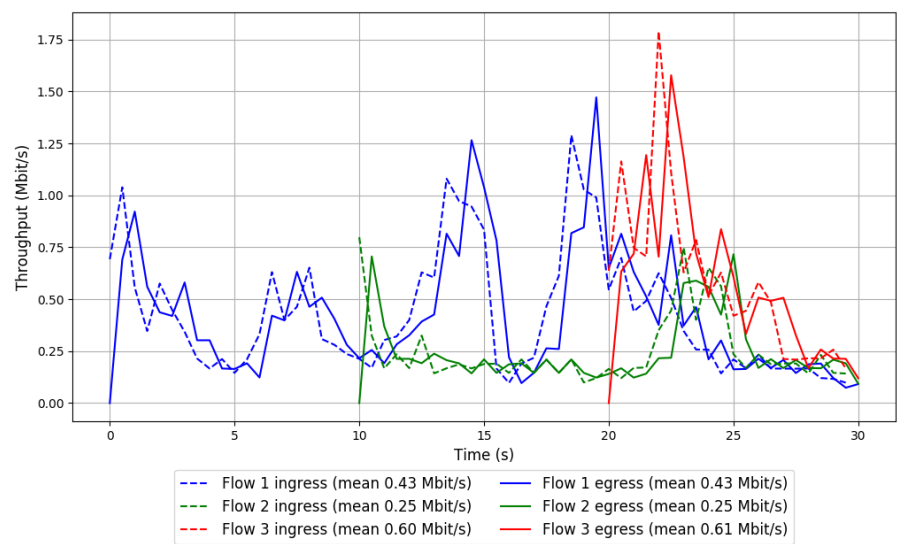


Run 5: Statistics of Sprout

Start at: 2018-07-18 10:34:57
End at: 2018-07-18 10:35:27
Local clock offset: -3.606 ms
Remote clock offset: 10.424 ms

Below is generated by plot.py at 2018-07-18 12:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 78.080 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 78.141 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 77.879 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 78.152 ms
Loss rate: 0.80%

Run 5: Report of Sprout — Data Link

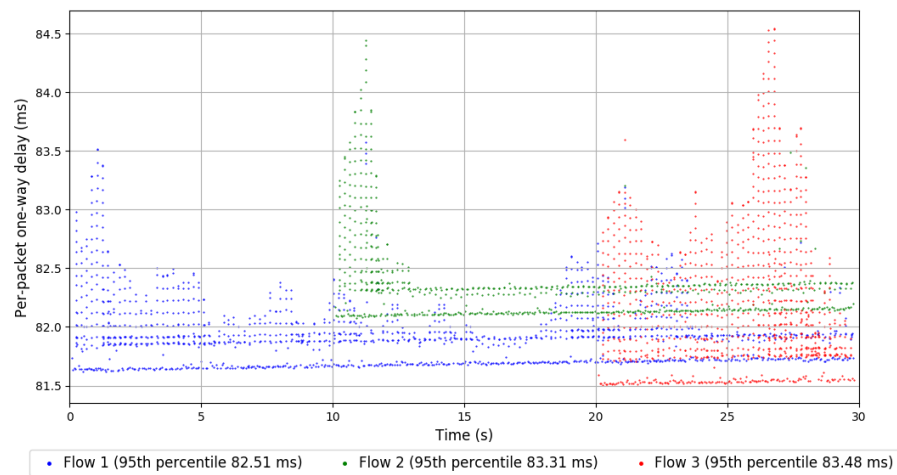
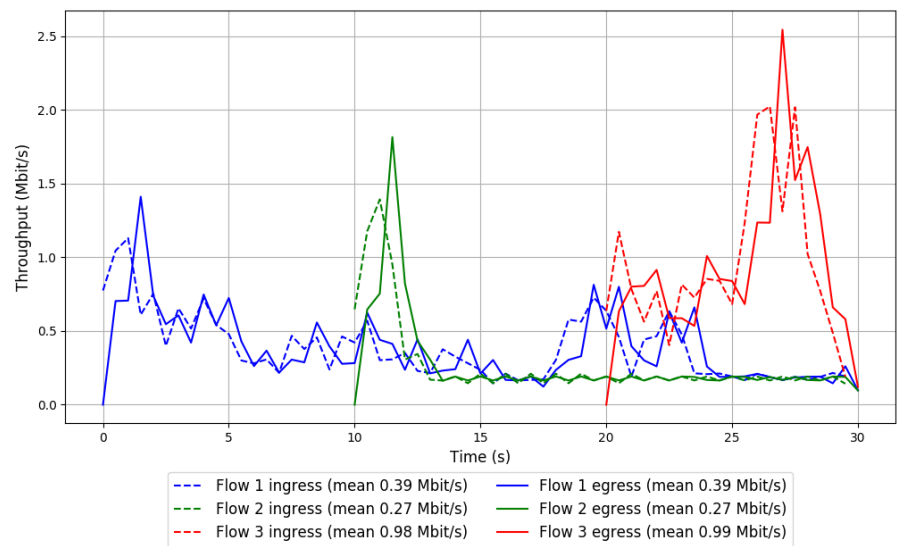


Run 6: Statistics of Sprout

Start at: 2018-07-18 10:56:10
End at: 2018-07-18 10:56:40
Local clock offset: -1.489 ms
Remote clock offset: 12.262 ms

Below is generated by plot.py at 2018-07-18 12:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 83.151 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 82.509 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 83.311 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 83.481 ms
Loss rate: 0.47%

Run 6: Report of Sprout — Data Link

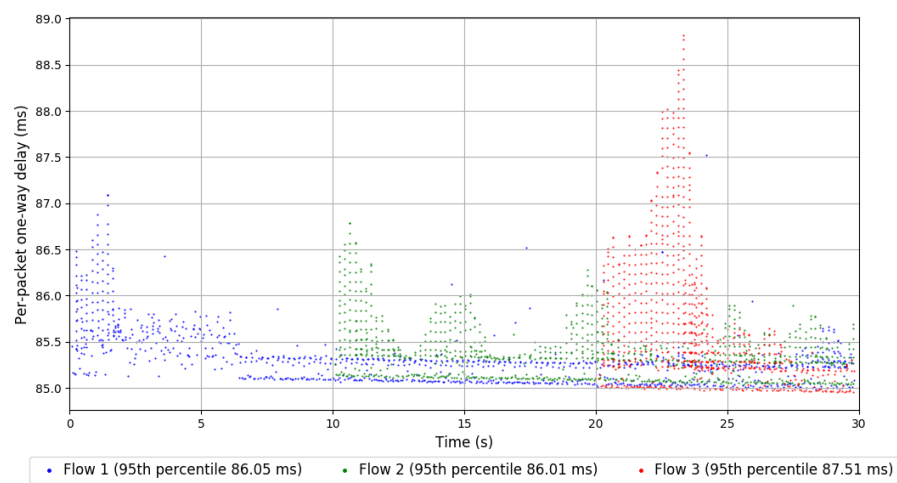
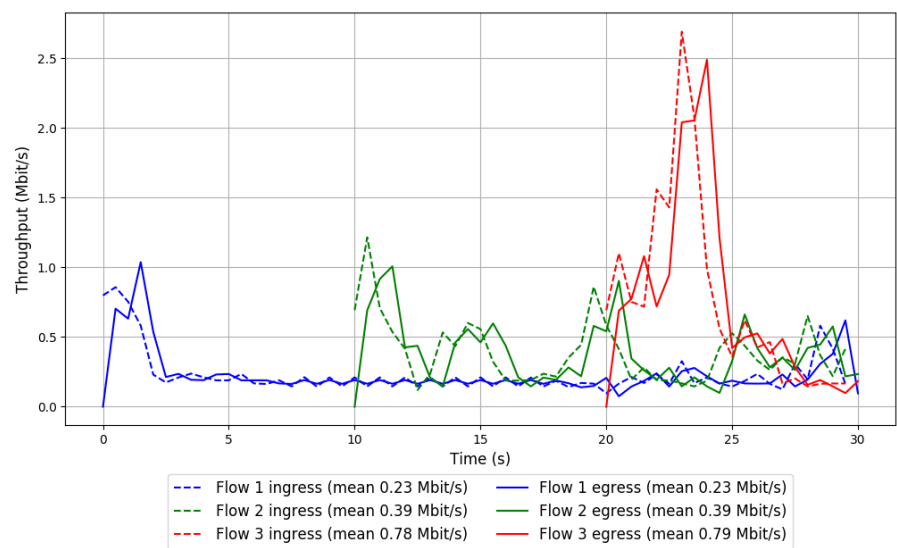


Run 7: Statistics of Sprout

Start at: 2018-07-18 11:17:41
End at: 2018-07-18 11:18:11
Local clock offset: -2.001 ms
Remote clock offset: 3.942 ms

```
# Below is generated by plot.py at 2018-07-18 12:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 86.552 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.047 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 86.008 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 87.509 ms
Loss rate: 0.47%
```

Run 7: Report of Sprout — Data Link

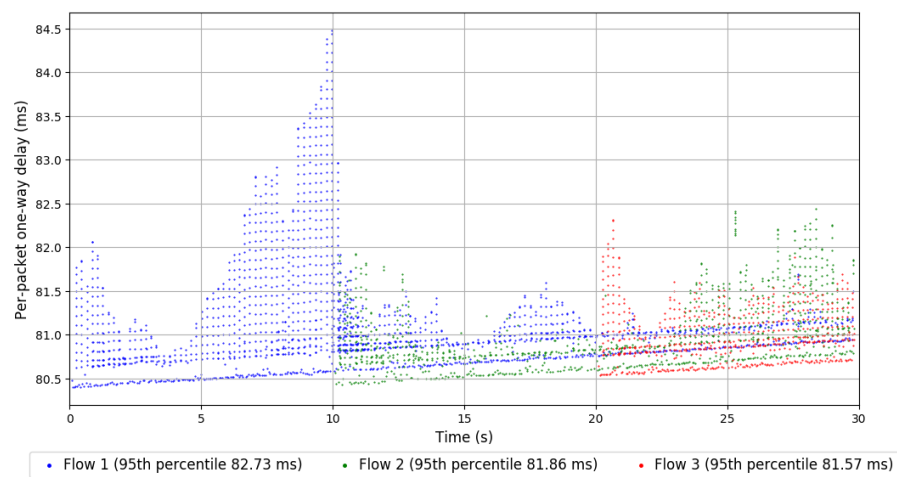
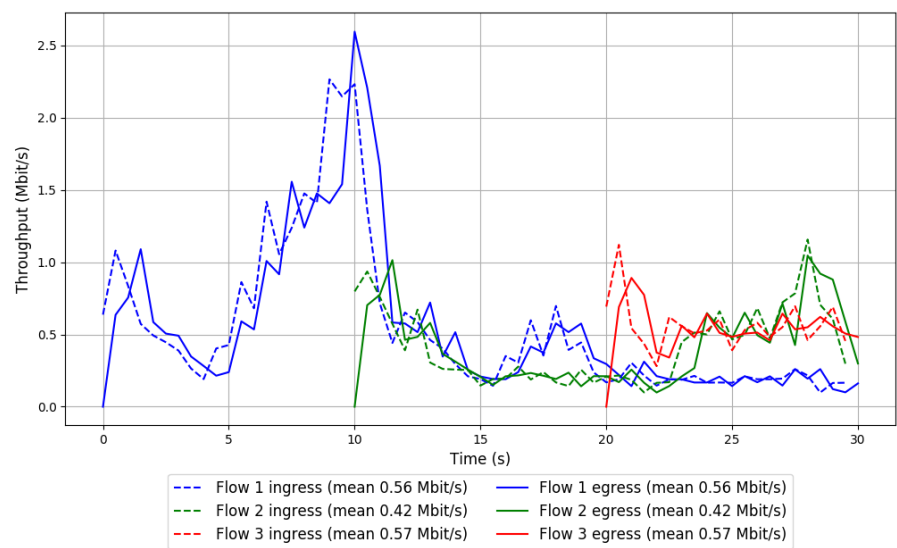


Run 8: Statistics of Sprout

Start at: 2018-07-18 11:38:53
End at: 2018-07-18 11:39:23
Local clock offset: -6.167 ms
Remote clock offset: 6.705 ms

```
# Below is generated by plot.py at 2018-07-18 12:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 82.228 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 82.732 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 81.860 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 81.567 ms
Loss rate: 1.42%
```

Run 8: Report of Sprout — Data Link

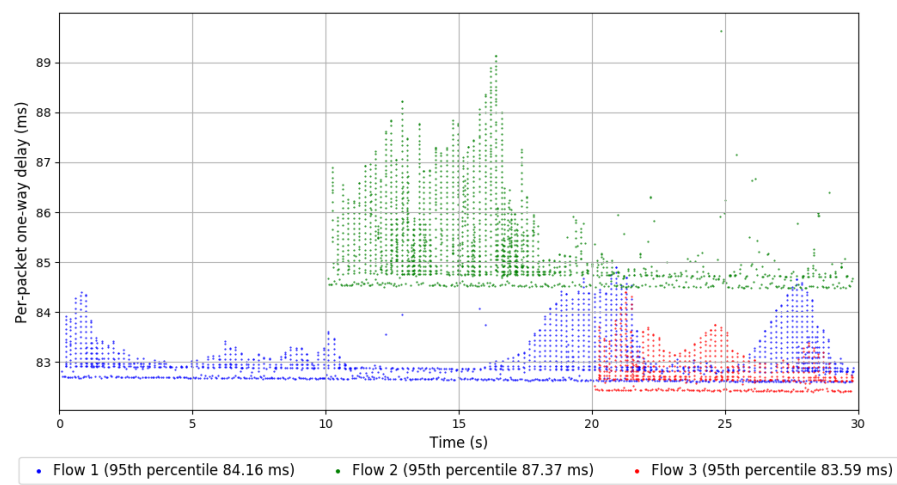
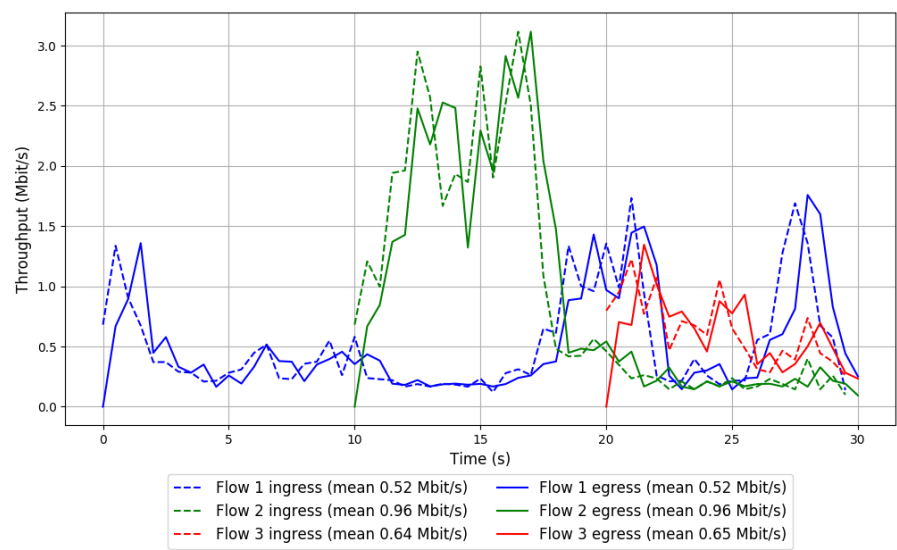


Run 9: Statistics of Sprout

Start at: 2018-07-18 12:00:16
End at: 2018-07-18 12:00:46
Local clock offset: -5.071 ms
Remote clock offset: 10.802 ms

Below is generated by plot.py at 2018-07-18 12:52:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 86.813 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 84.158 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 87.366 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 83.595 ms
Loss rate: 0.93%

Run 9: Report of Sprout — Data Link

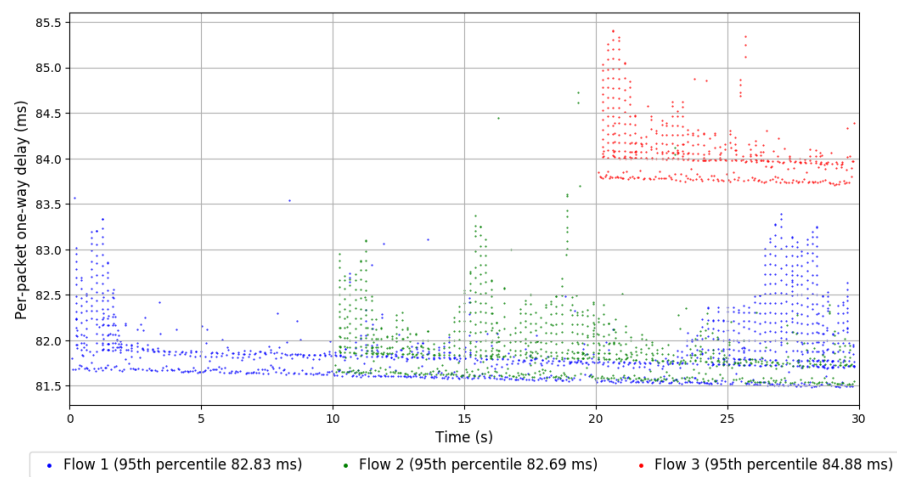
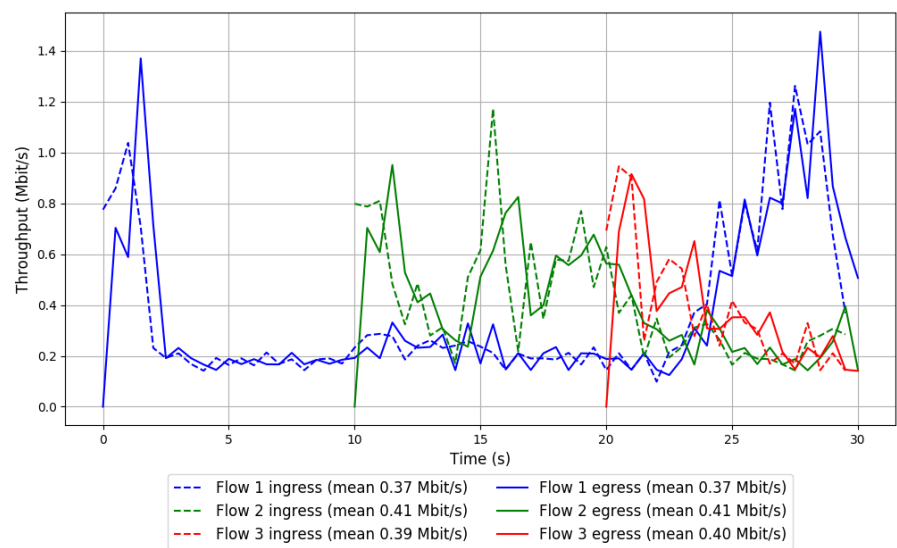


Run 10: Statistics of Sprout

Start at: 2018-07-18 12:21:35
End at: 2018-07-18 12:22:05
Local clock offset: -1.234 ms
Remote clock offset: 8.108 ms

```
# Below is generated by plot.py at 2018-07-18 12:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 84.162 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 82.829 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 82.690 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 84.884 ms
Loss rate: 0.89%
```


Run 10: Report of Sprout — Data Link

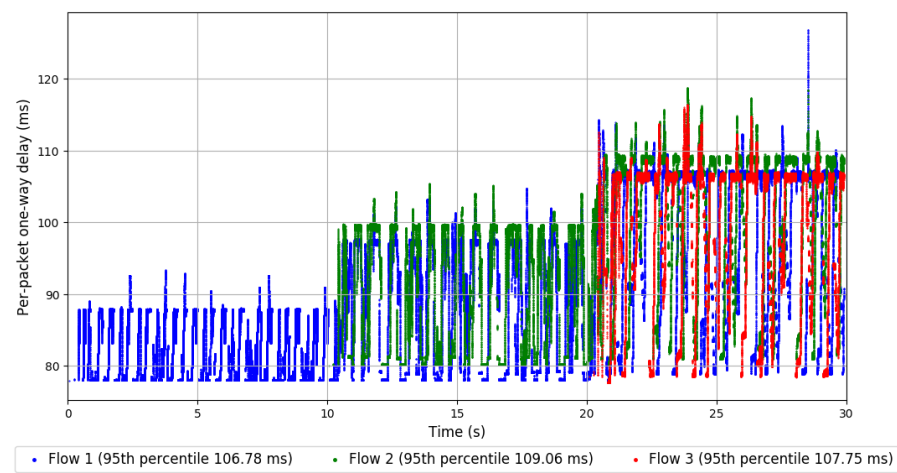
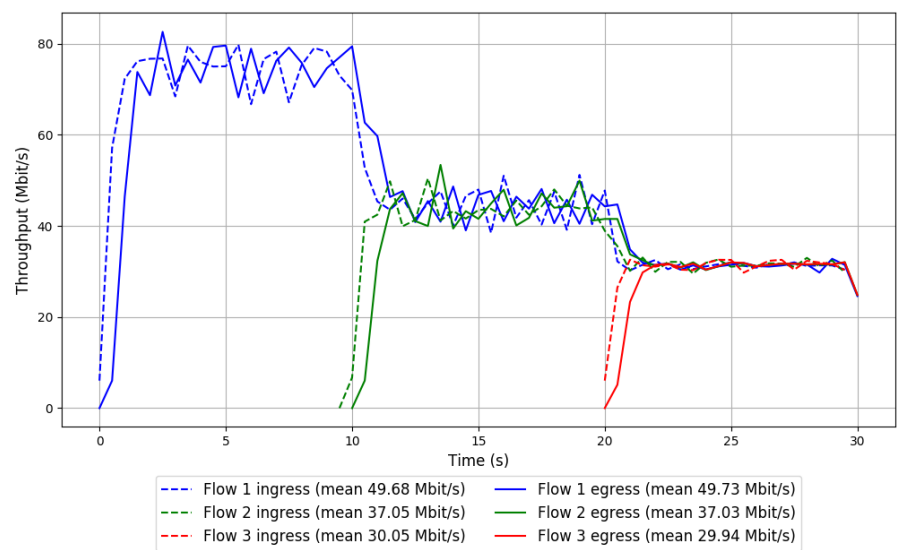


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 09:17:20
End at: 2018-07-18 09:17:50
Local clock offset: -7.611 ms
Remote clock offset: 14.136 ms

# Below is generated by plot.py at 2018-07-18 12:54:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.19 Mbit/s
95th percentile per-packet one-way delay: 108.705 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 106.782 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 109.062 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 107.748 ms
Loss rate: 2.01%
```

Run 1: Report of TaoVA-100x — Data Link

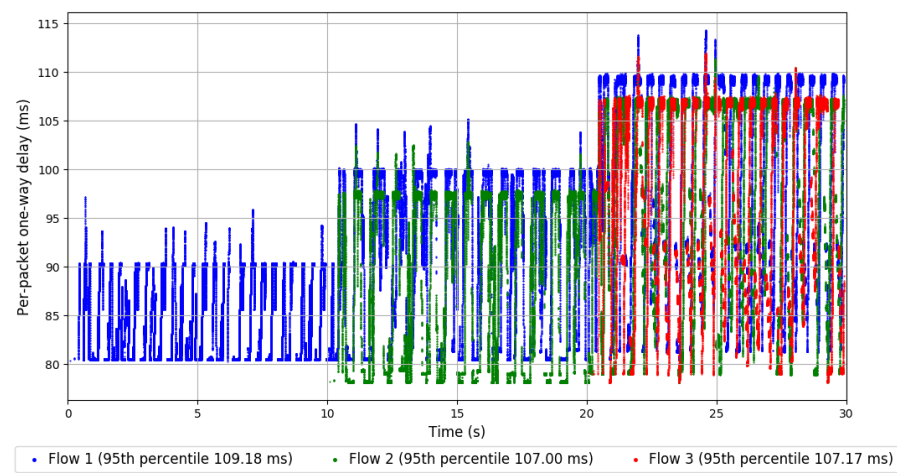
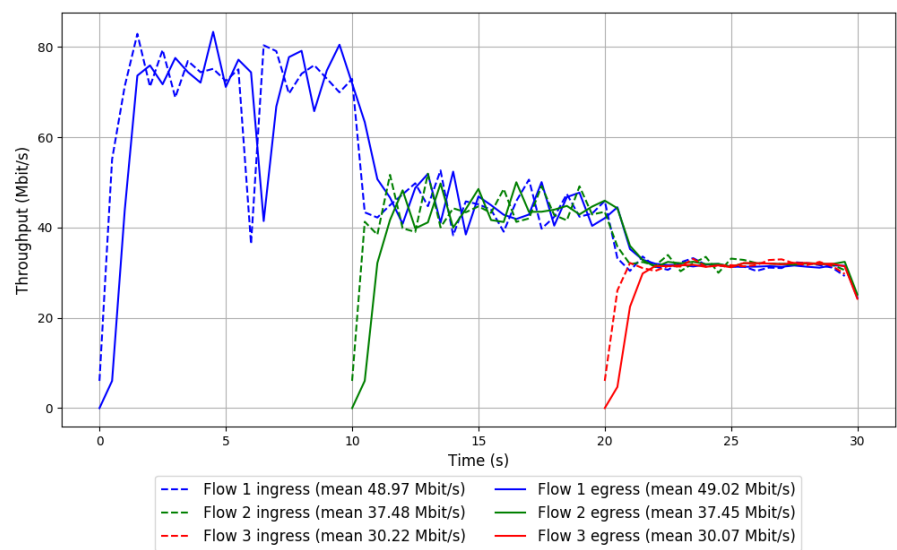


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 09:38:45
End at: 2018-07-18 09:39:15
Local clock offset: -7.402 ms
Remote clock offset: 14.784 ms

Below is generated by plot.py at 2018-07-18 12:54:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 108.513 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 109.178 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 107.003 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 107.168 ms
Loss rate: 2.15%

Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 09:59:57

End at: 2018-07-18 10:00:27

Local clock offset: -7.165 ms

Remote clock offset: 6.977 ms

Below is generated by plot.py at 2018-07-18 12:54:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.55 Mbit/s

95th percentile per-packet one-way delay: 113.058 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 50.20 Mbit/s

95th percentile per-packet one-way delay: 111.215 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 36.82 Mbit/s

95th percentile per-packet one-way delay: 113.410 ms

Loss rate: 0.95%

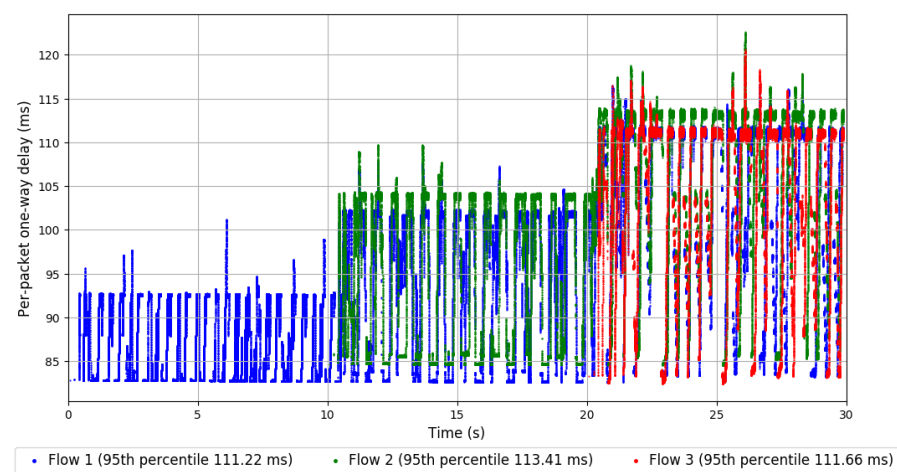
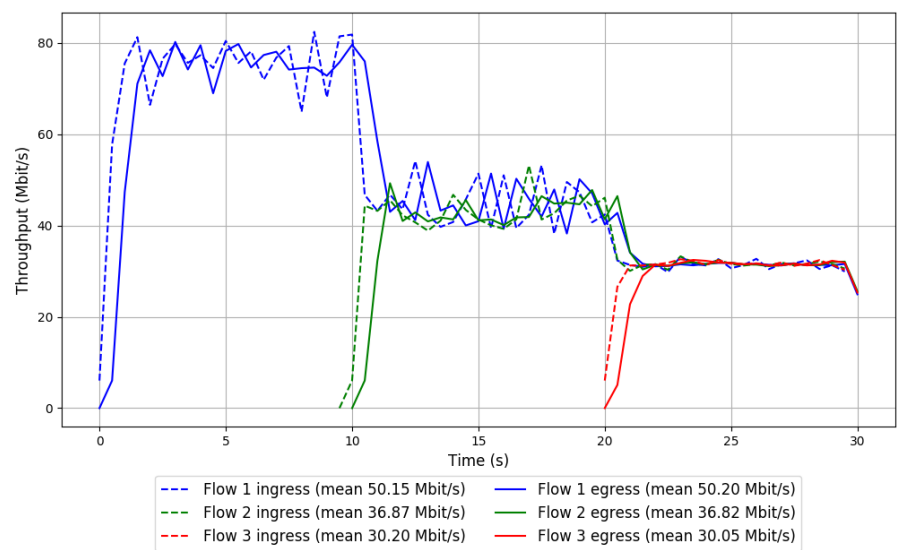
-- Flow 3:

Average throughput: 30.05 Mbit/s

95th percentile per-packet one-way delay: 111.657 ms

Loss rate: 2.13%

Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 10:21:05

End at: 2018-07-18 10:21:35

Local clock offset: -6.811 ms

Remote clock offset: 6.503 ms

Below is generated by plot.py at 2018-07-18 12:54:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.64 Mbit/s

95th percentile per-packet one-way delay: 107.481 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 105.366 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 36.95 Mbit/s

95th percentile per-packet one-way delay: 107.788 ms

Loss rate: 0.92%

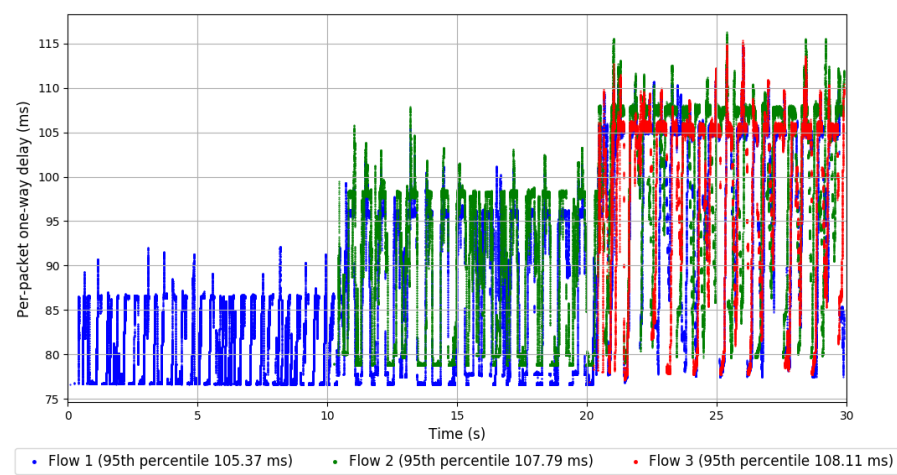
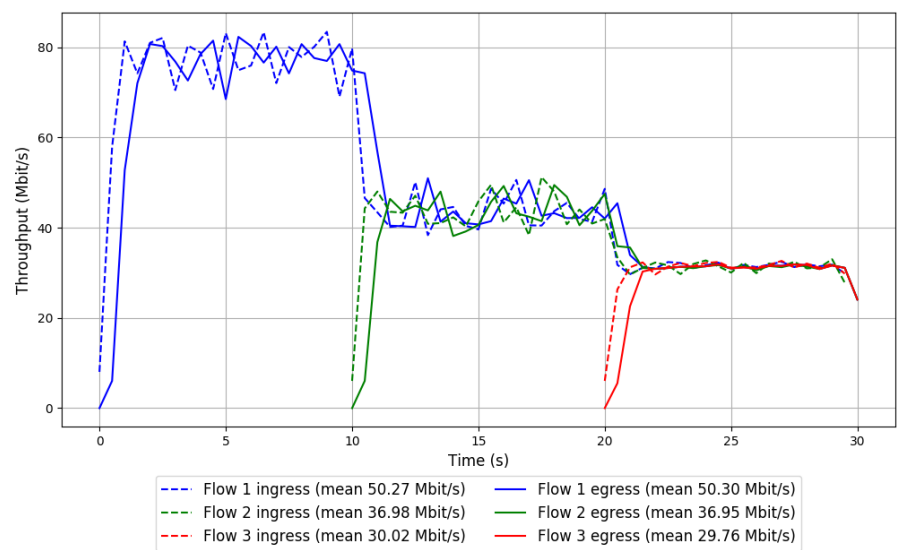
-- Flow 3:

Average throughput: 29.76 Mbit/s

95th percentile per-packet one-way delay: 108.108 ms

Loss rate: 2.59%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 10:42:26

End at: 2018-07-18 10:42:56

Local clock offset: -2.479 ms

Remote clock offset: 9.307 ms

Below is generated by plot.py at 2018-07-18 12:54:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 112.317 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 50.66 Mbit/s

95th percentile per-packet one-way delay: 112.965 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 37.57 Mbit/s

95th percentile per-packet one-way delay: 110.648 ms

Loss rate: 0.91%

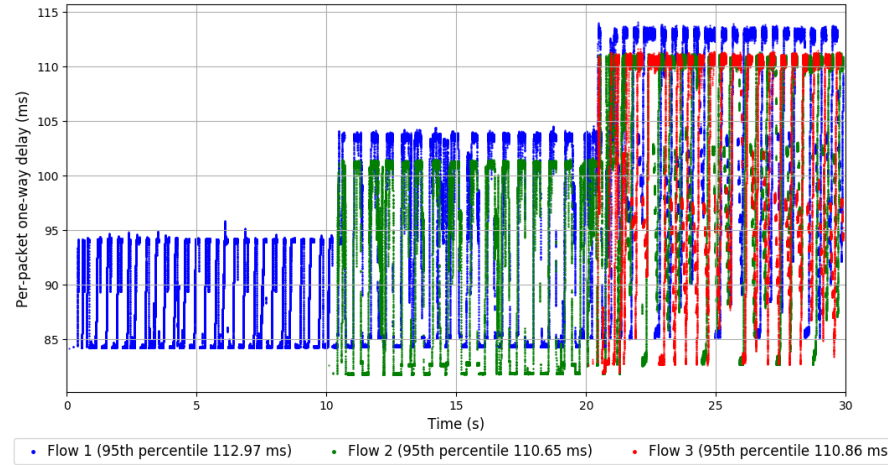
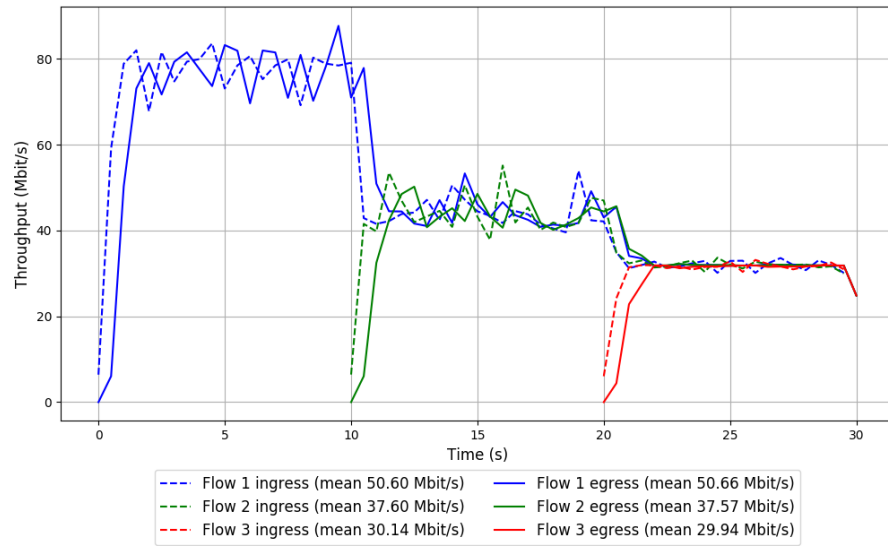
-- Flow 3:

Average throughput: 29.94 Mbit/s

95th percentile per-packet one-way delay: 110.862 ms

Loss rate: 2.27%

Run 5: Report of TaoVA-100x — Data Link

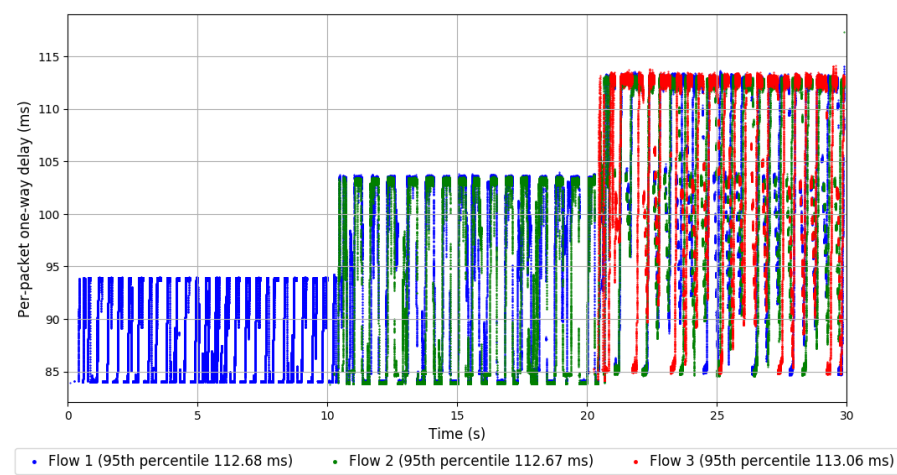
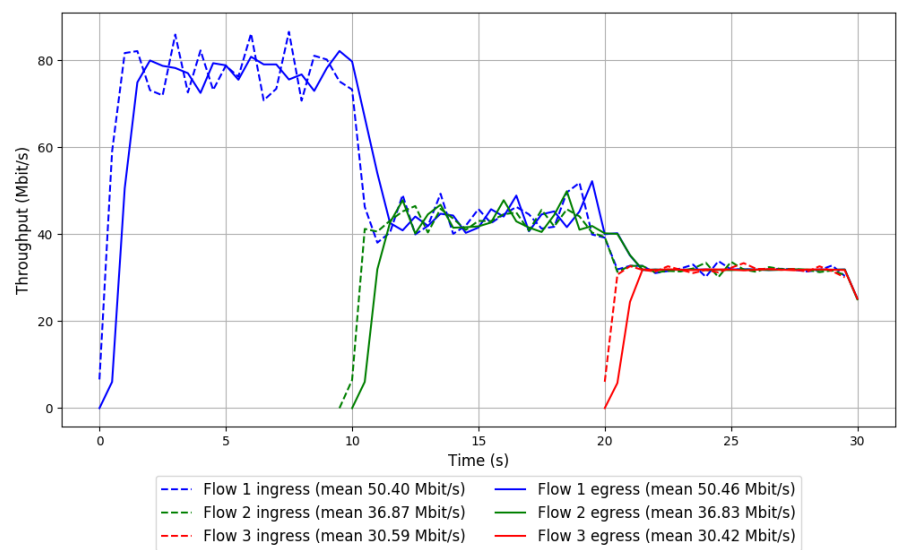


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 11:03:40
End at: 2018-07-18 11:04:10
Local clock offset: -1.984 ms
Remote clock offset: 13.093 ms

Below is generated by plot.py at 2018-07-18 12:54:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 112.799 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 50.46 Mbit/s
95th percentile per-packet one-way delay: 112.681 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 112.665 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 113.065 ms
Loss rate: 2.21%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 11:25:13

End at: 2018-07-18 11:25:43

Local clock offset: -1.746 ms

Remote clock offset: 2.322 ms

Below is generated by plot.py at 2018-07-18 12:54:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.65 Mbit/s

95th percentile per-packet one-way delay: 114.611 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 50.98 Mbit/s

95th percentile per-packet one-way delay: 114.319 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 37.18 Mbit/s

95th percentile per-packet one-way delay: 114.787 ms

Loss rate: 0.95%

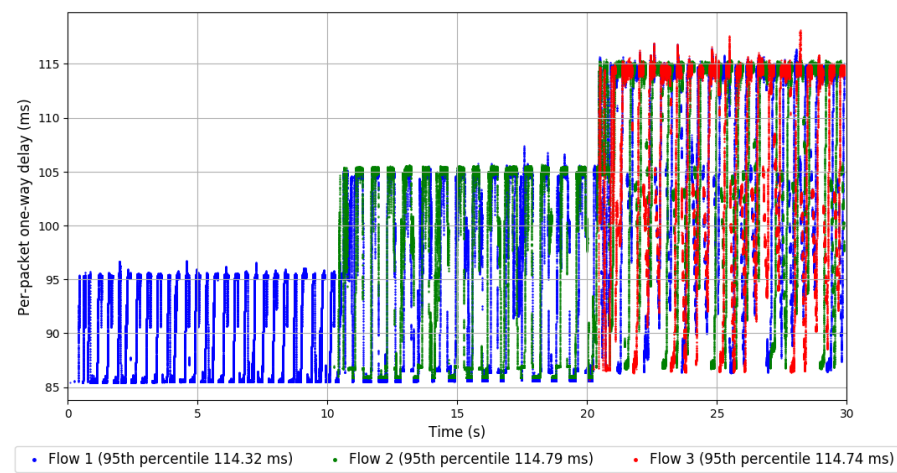
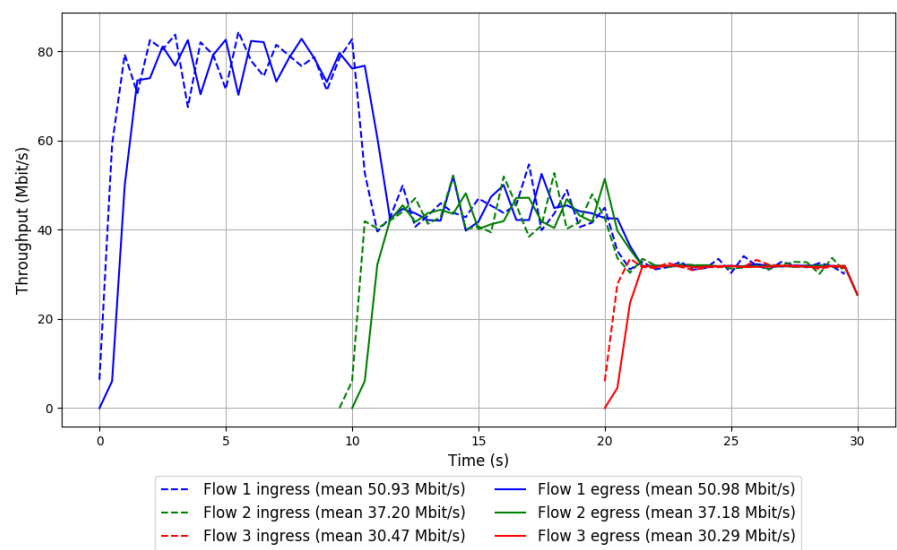
-- Flow 3:

Average throughput: 30.29 Mbit/s

95th percentile per-packet one-way delay: 114.739 ms

Loss rate: 2.23%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 11:46:24

End at: 2018-07-18 11:46:54

Local clock offset: -7.039 ms

Remote clock offset: 6.748 ms

Below is generated by plot.py at 2018-07-18 12:54:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.15 Mbit/s

95th percentile per-packet one-way delay: 108.775 ms

Loss rate: 12.29%

-- Flow 1:

Average throughput: 46.33 Mbit/s

95th percentile per-packet one-way delay: 107.648 ms

Loss rate: 10.42%

-- Flow 2:

Average throughput: 32.93 Mbit/s

95th percentile per-packet one-way delay: 109.644 ms

Loss rate: 14.51%

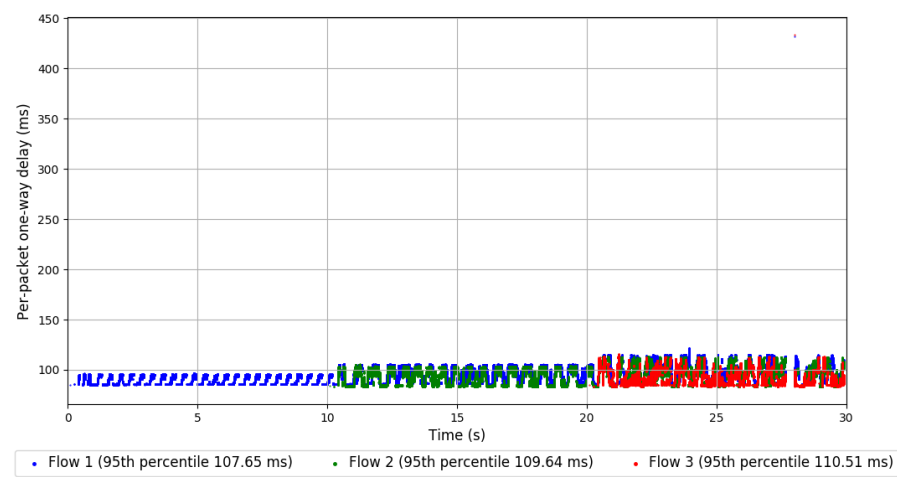
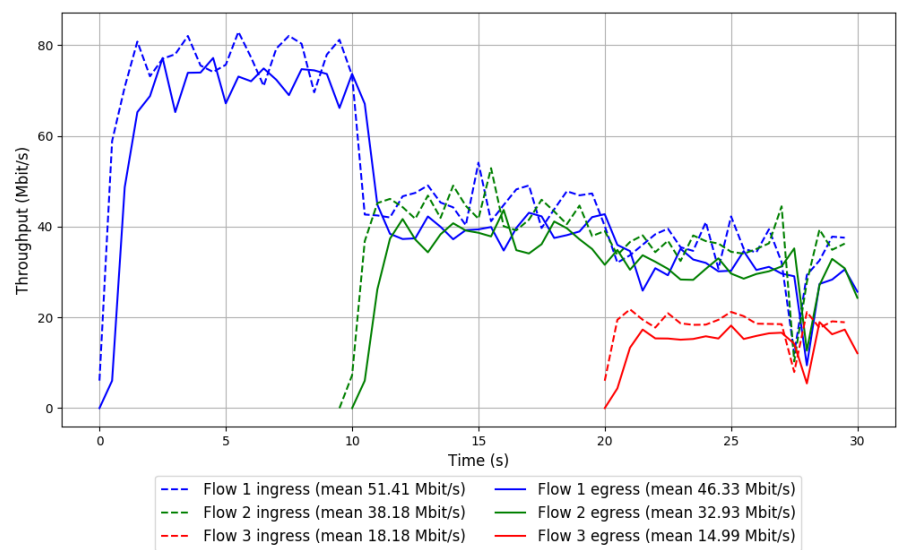
-- Flow 3:

Average throughput: 14.99 Mbit/s

95th percentile per-packet one-way delay: 110.510 ms

Loss rate: 18.88%

Run 8: Report of TaoVA-100x — Data Link

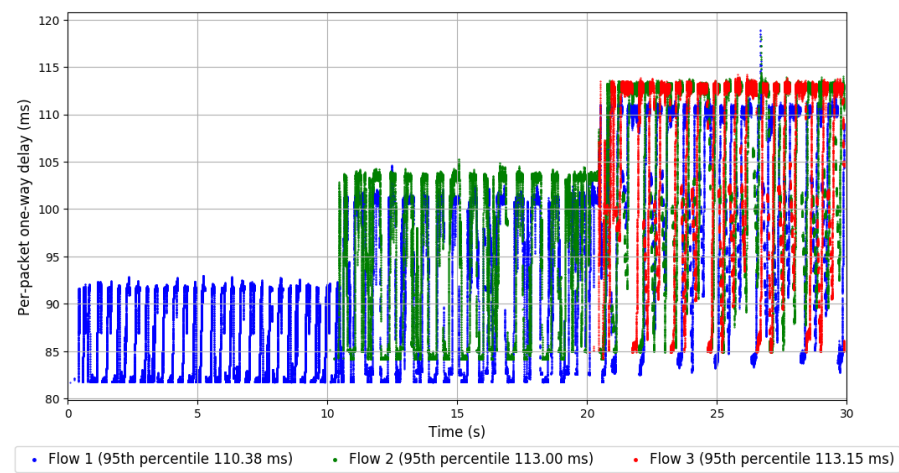
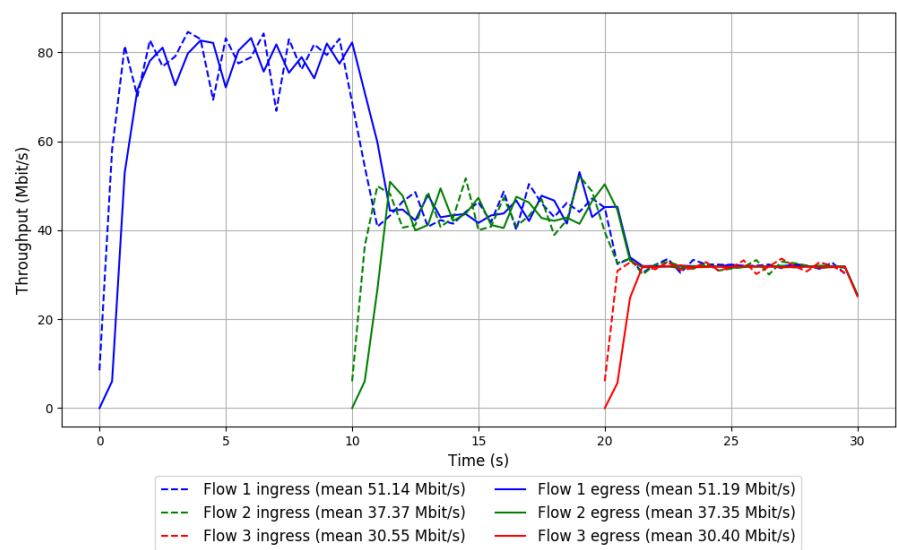


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 12:07:55
End at: 2018-07-18 12:08:25
Local clock offset: -2.841 ms
Remote clock offset: 13.078 ms

Below is generated by plot.py at 2018-07-18 12:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 112.871 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 51.19 Mbit/s
95th percentile per-packet one-way delay: 110.381 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 113.004 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 113.146 ms
Loss rate: 2.30%

Run 9: Report of TaoVA-100x — Data Link

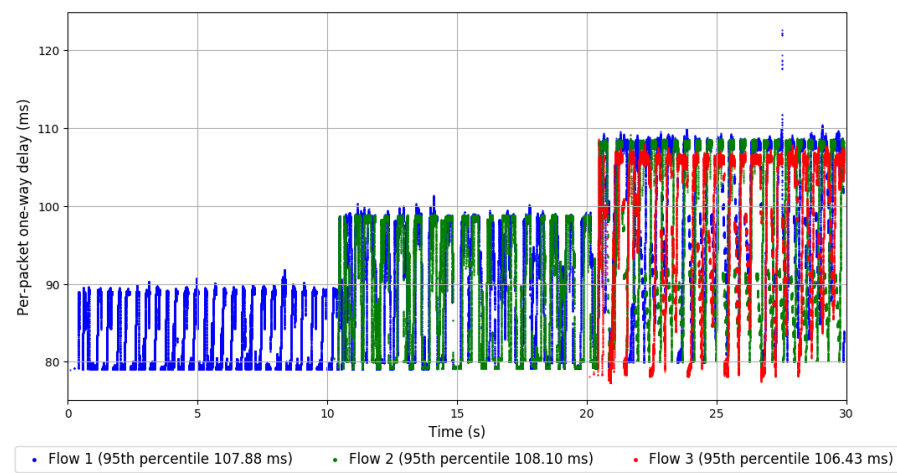
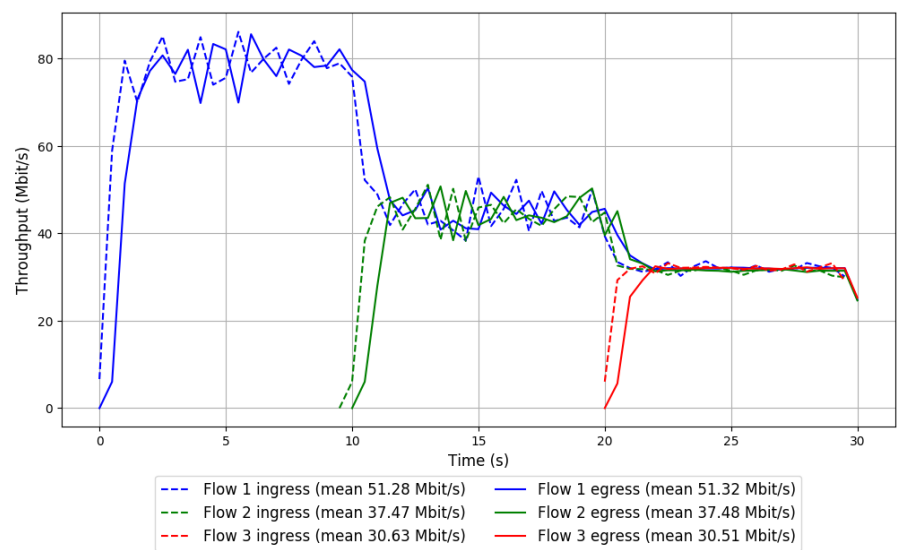


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 12:29:05
End at: 2018-07-18 12:29:35
Local clock offset: -3.269 ms
Remote clock offset: 11.237 ms

Below is generated by plot.py at 2018-07-18 12:56:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 107.944 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: 107.875 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 108.096 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 106.427 ms
Loss rate: 2.03%

Run 10: Report of TaoVA-100x — Data Link

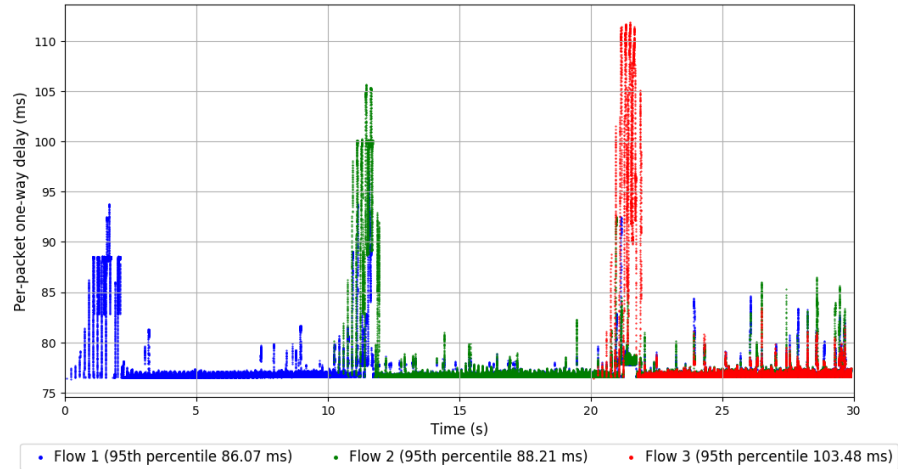
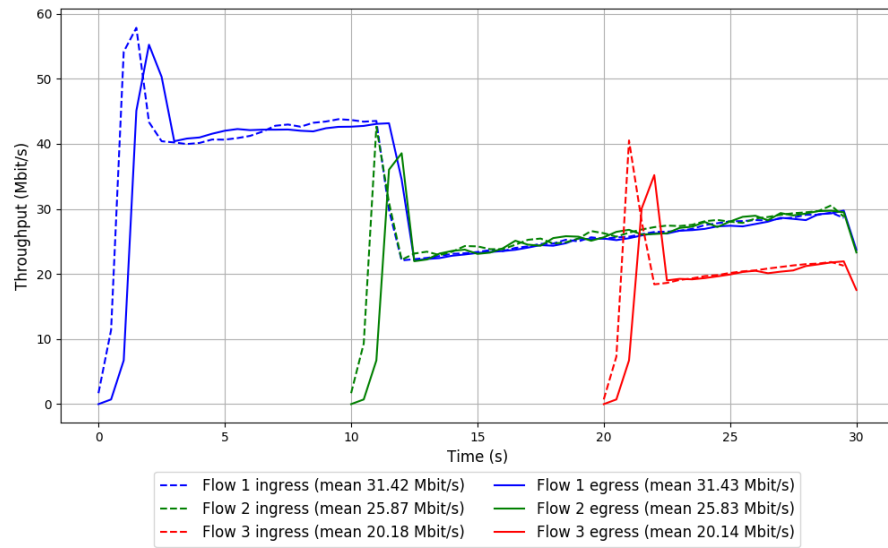


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 09:07:22
End at: 2018-07-18 09:07:52
Local clock offset: -6.322 ms
Remote clock offset: 15.103 ms

Below is generated by plot.py at 2018-07-18 12:56:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 88.375 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 86.074 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 25.83 Mbit/s
95th percentile per-packet one-way delay: 88.209 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 103.479 ms
Loss rate: 1.83%

Run 1: Report of TCP Vegas — Data Link

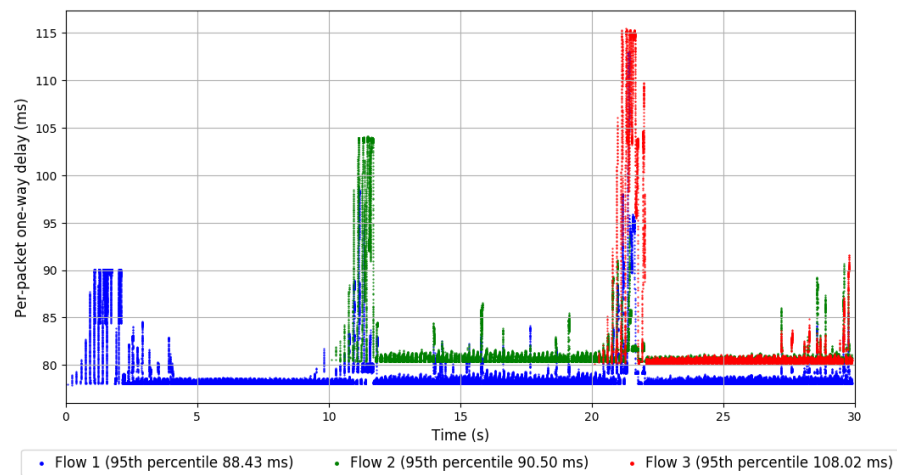
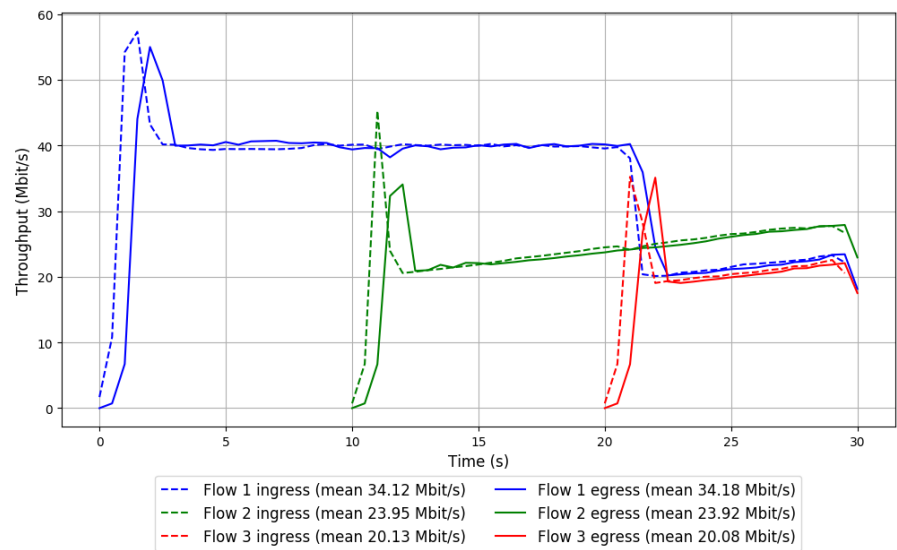


Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 09:28:36
End at: 2018-07-18 09:29:06
Local clock offset: -7.82 ms
Remote clock offset: 14.492 ms

Below is generated by plot.py at 2018-07-18 12:56:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 89.928 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 88.431 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 90.503 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 108.016 ms
Loss rate: 1.89%

Run 2: Report of TCP Vegas — Data Link

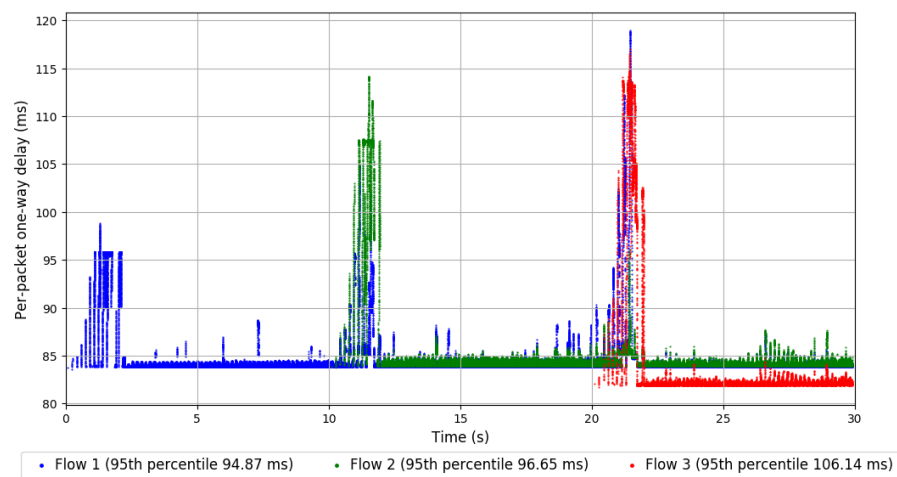
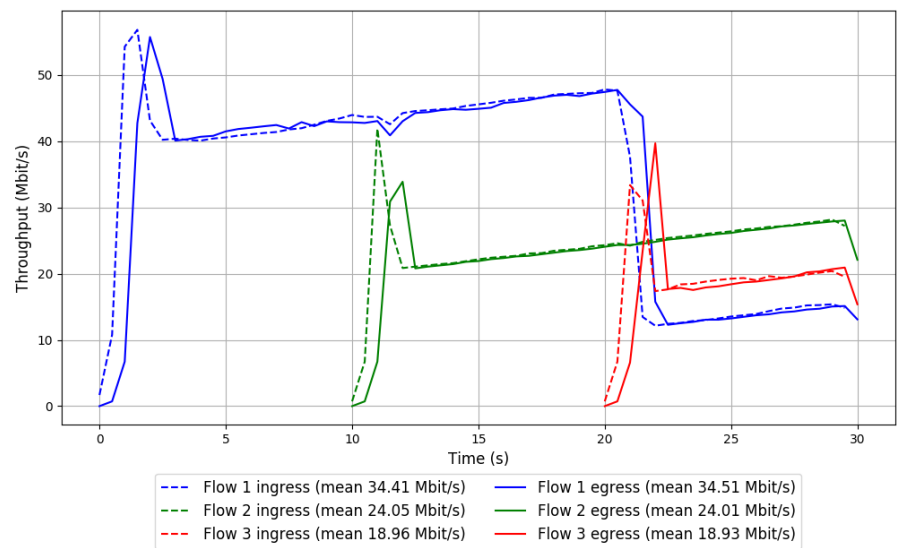


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 09:49:59
End at: 2018-07-18 09:50:29
Local clock offset: -7.557 ms
Remote clock offset: 11.355 ms

Below is generated by plot.py at 2018-07-18 12:56:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 95.705 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 94.866 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 96.646 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 106.145 ms
Loss rate: 1.81%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 10:11:10

End at: 2018-07-18 10:11:40

Local clock offset: -6.836 ms

Remote clock offset: 6.242 ms

Below is generated by plot.py at 2018-07-18 12:56:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 91.999 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 20.75 Mbit/s

95th percentile per-packet one-way delay: 92.318 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 17.46 Mbit/s

95th percentile per-packet one-way delay: 92.784 ms

Loss rate: 1.43%

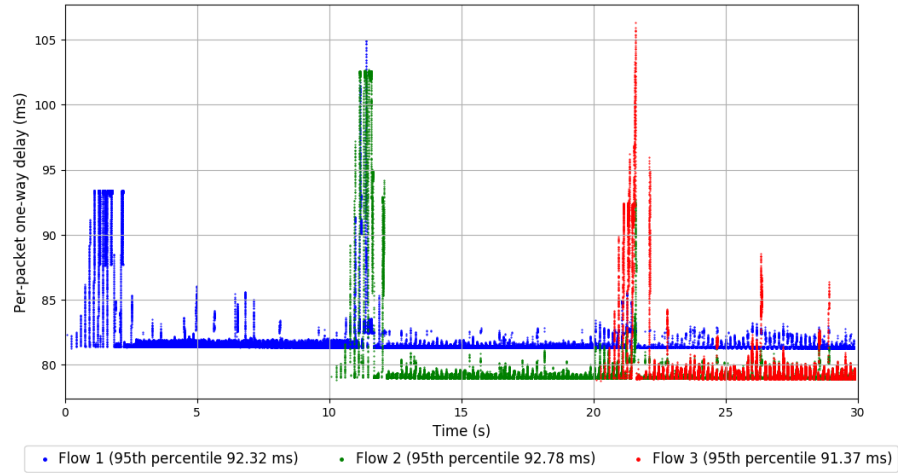
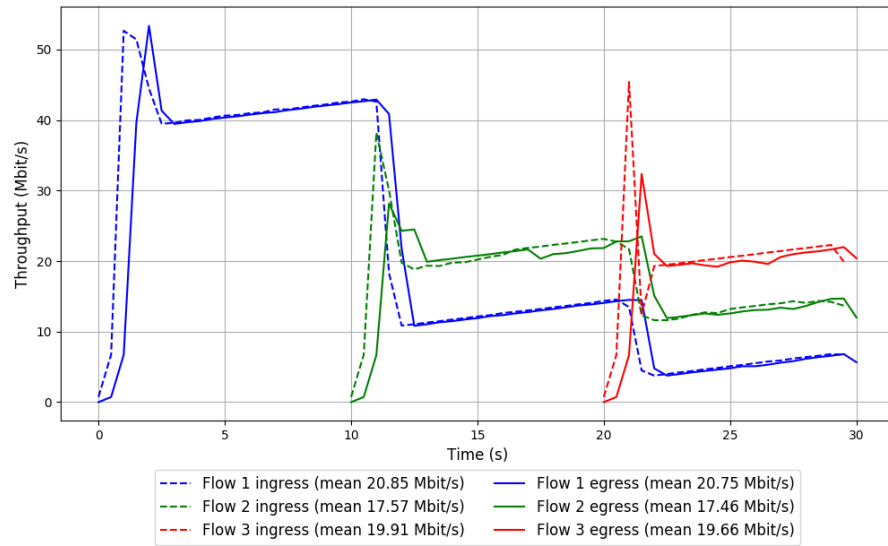
-- Flow 3:

Average throughput: 19.66 Mbit/s

95th percentile per-packet one-way delay: 91.369 ms

Loss rate: 2.90%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 10:32:29

End at: 2018-07-18 10:32:59

Local clock offset: -4.122 ms

Remote clock offset: 3.153 ms

Below is generated by plot.py at 2018-07-18 12:56:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.32 Mbit/s

95th percentile per-packet one-way delay: 94.175 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 91.170 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 30.06 Mbit/s

95th percentile per-packet one-way delay: 98.045 ms

Loss rate: 0.67%

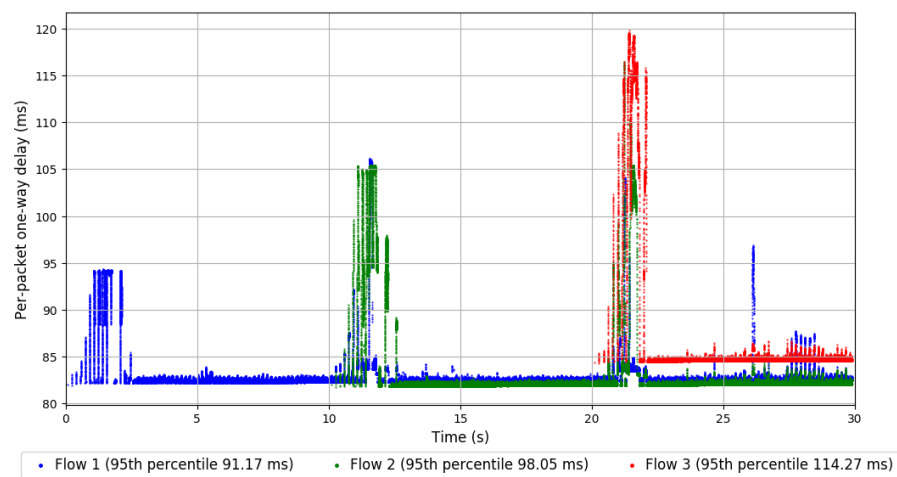
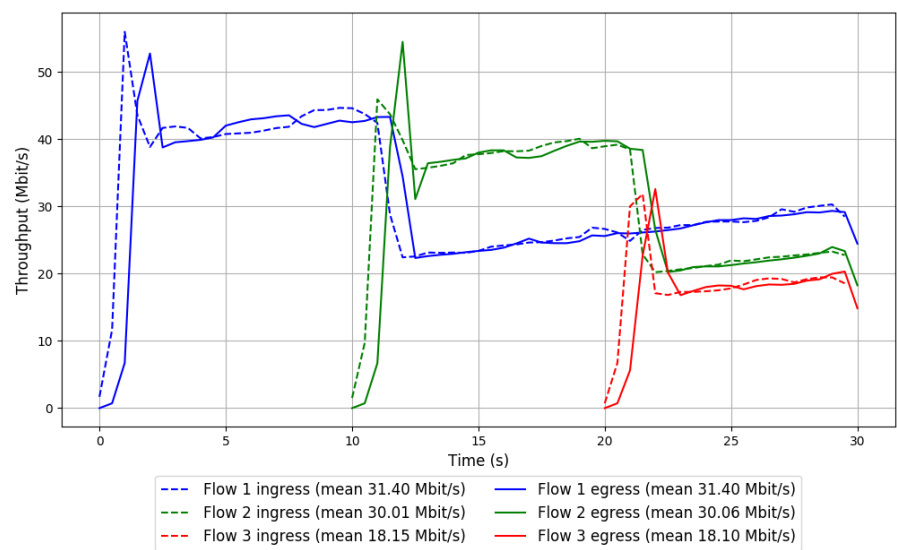
-- Flow 3:

Average throughput: 18.10 Mbit/s

95th percentile per-packet one-way delay: 114.272 ms

Loss rate: 1.94%

Run 5: Report of TCP Vegas — Data Link

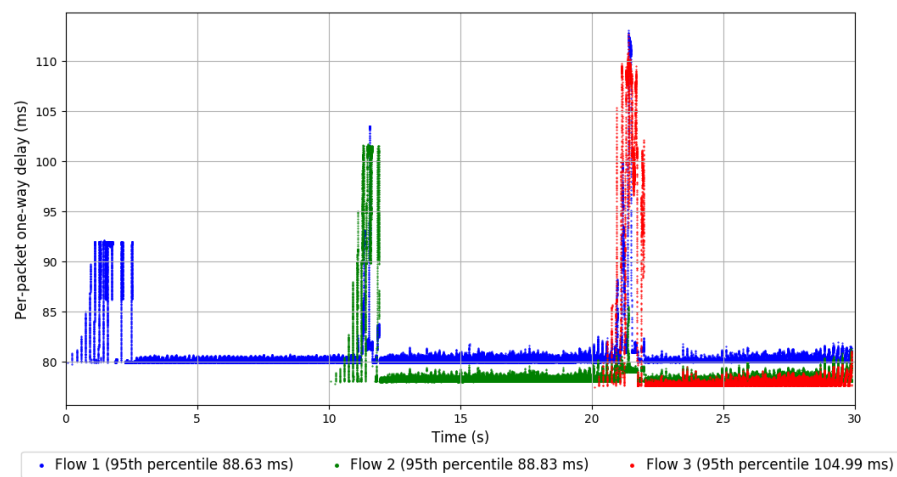
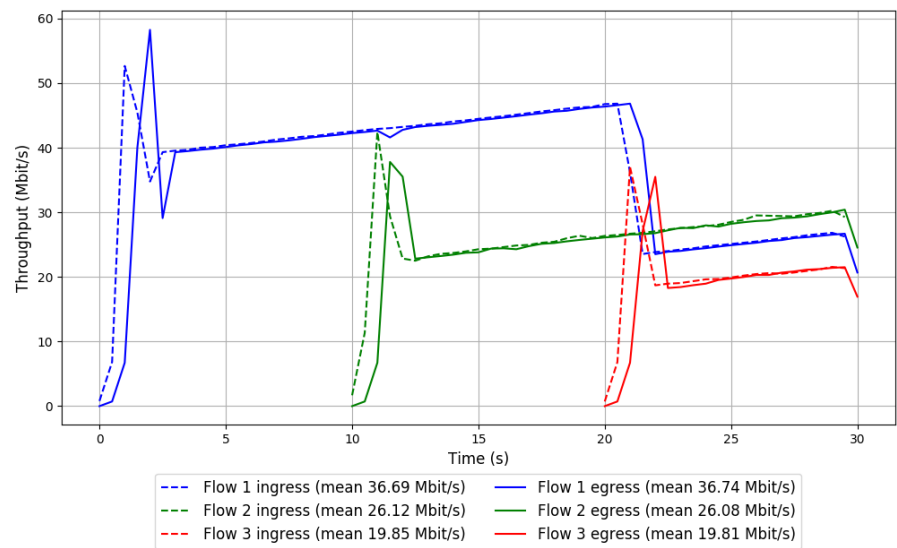


Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 10:53:41
End at: 2018-07-18 10:54:11
Local clock offset: -1.533 ms
Remote clock offset: 15.881 ms

Below is generated by plot.py at 2018-07-18 12:56:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 91.110 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 88.630 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 88.834 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 104.986 ms
Loss rate: 1.87%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 11:15:13

End at: 2018-07-18 11:15:43

Local clock offset: -1.97 ms

Remote clock offset: 9.851 ms

Below is generated by plot.py at 2018-07-18 12:56:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.28 Mbit/s

95th percentile per-packet one-way delay: 89.807 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 22.14 Mbit/s

95th percentile per-packet one-way delay: 89.243 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 19.74 Mbit/s

95th percentile per-packet one-way delay: 90.201 ms

Loss rate: 1.54%

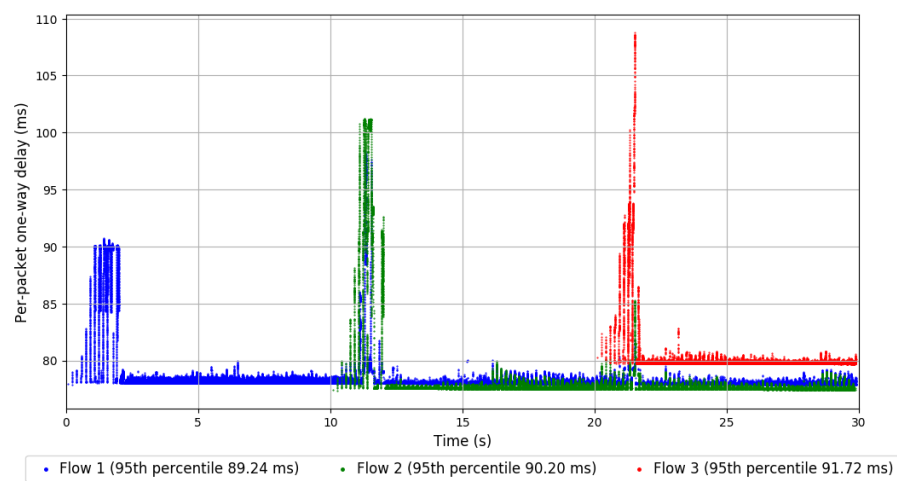
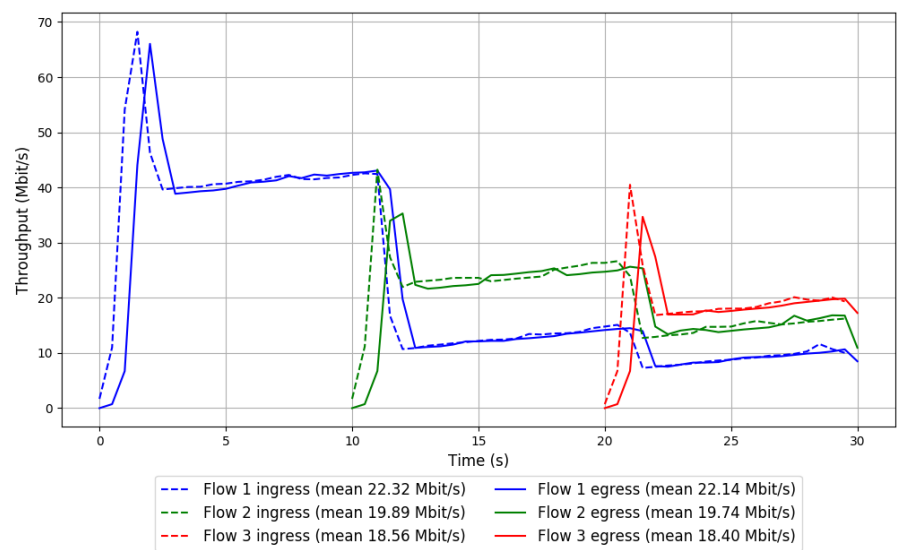
-- Flow 3:

Average throughput: 18.40 Mbit/s

95th percentile per-packet one-way delay: 91.724 ms

Loss rate: 2.47%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 11:36:25

End at: 2018-07-18 11:36:55

Local clock offset: -5.722 ms

Remote clock offset: 6.349 ms

Below is generated by plot.py at 2018-07-18 12:56:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.86 Mbit/s

95th percentile per-packet one-way delay: 92.350 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 29.53 Mbit/s

95th percentile per-packet one-way delay: 90.447 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 25.14 Mbit/s

95th percentile per-packet one-way delay: 94.500 ms

Loss rate: 0.53%

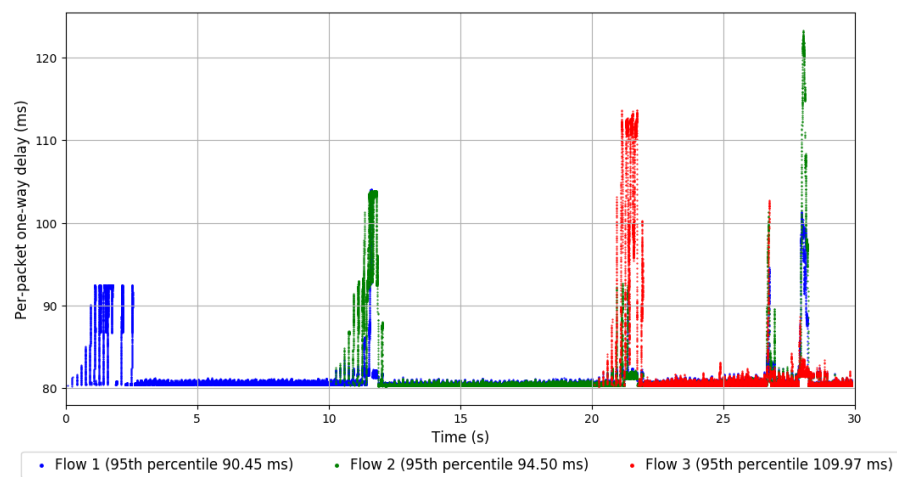
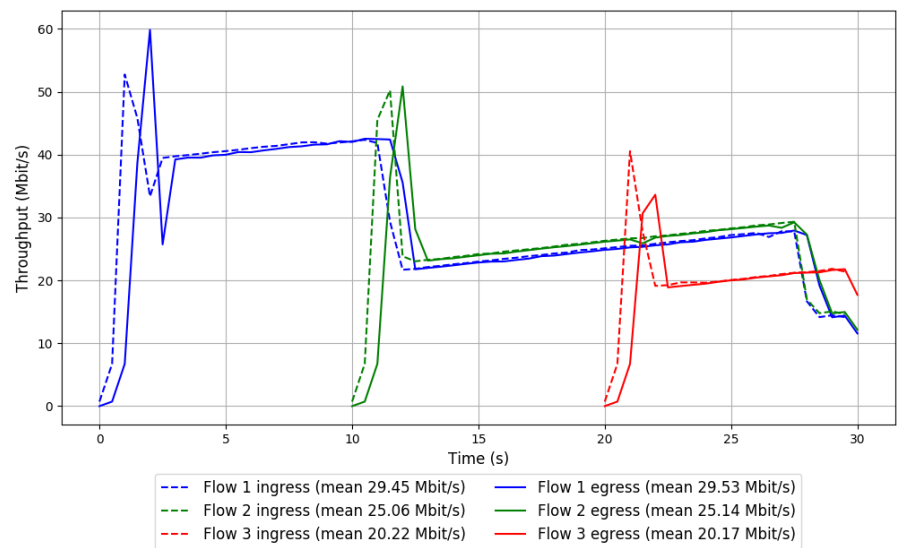
-- Flow 3:

Average throughput: 20.17 Mbit/s

95th percentile per-packet one-way delay: 109.970 ms

Loss rate: 1.88%

Run 8: Report of TCP Vegas — Data Link

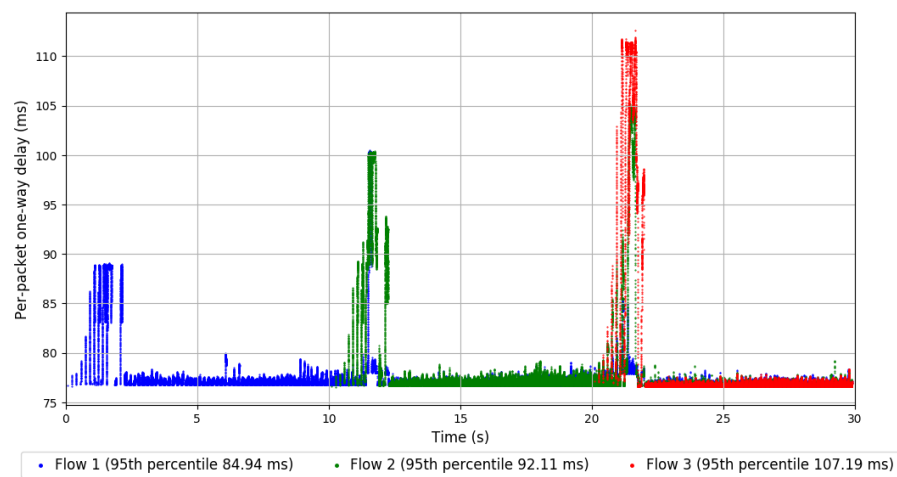
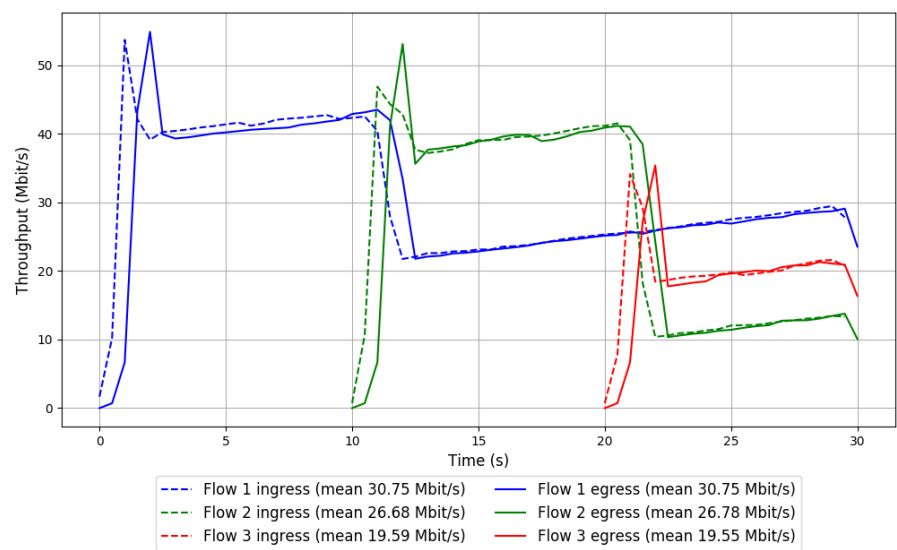


Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 11:57:47
End at: 2018-07-18 11:58:17
Local clock offset: -6.175 ms
Remote clock offset: 16.537 ms

Below is generated by plot.py at 2018-07-18 12:56:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.97 Mbit/s
95th percentile per-packet one-way delay: 88.766 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 84.943 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 92.108 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 107.189 ms
Loss rate: 1.86%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 12:19:07

End at: 2018-07-18 12:19:37

Local clock offset: -1.473 ms

Remote clock offset: 7.873 ms

Below is generated by plot.py at 2018-07-18 12:56:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.69 Mbit/s

95th percentile per-packet one-way delay: 94.663 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 34.98 Mbit/s

95th percentile per-packet one-way delay: 92.890 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 23.36 Mbit/s

95th percentile per-packet one-way delay: 98.742 ms

Loss rate: 0.99%

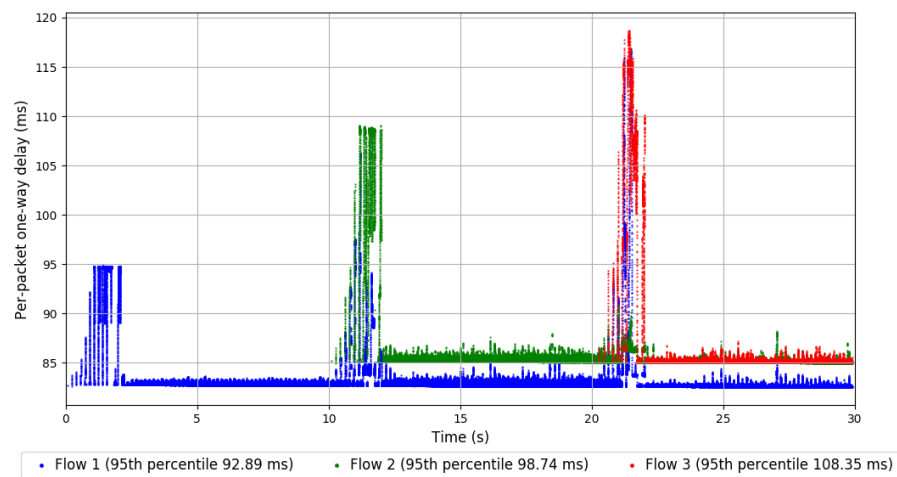
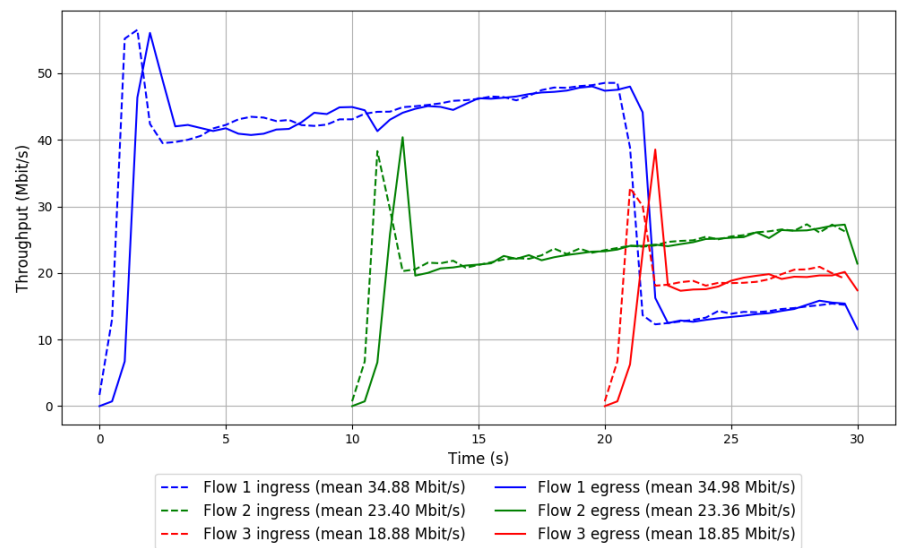
-- Flow 3:

Average throughput: 18.85 Mbit/s

95th percentile per-packet one-way delay: 108.346 ms

Loss rate: 1.84%

Run 10: Report of TCP Vegas — Data Link

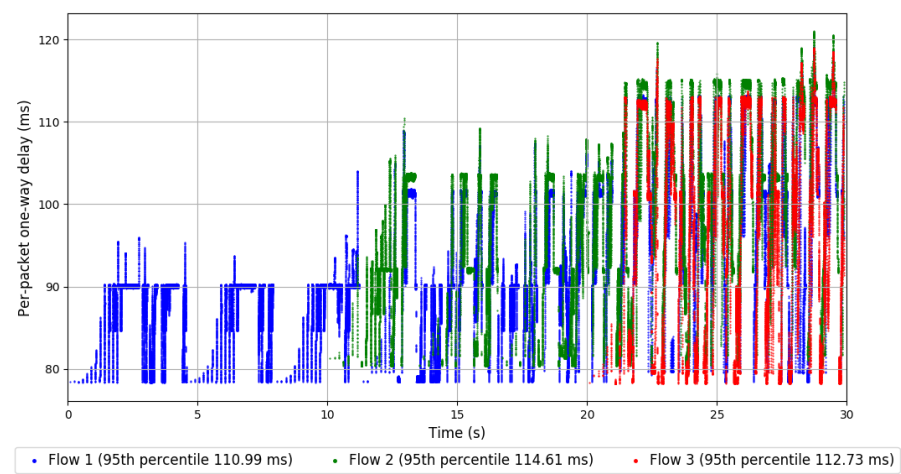
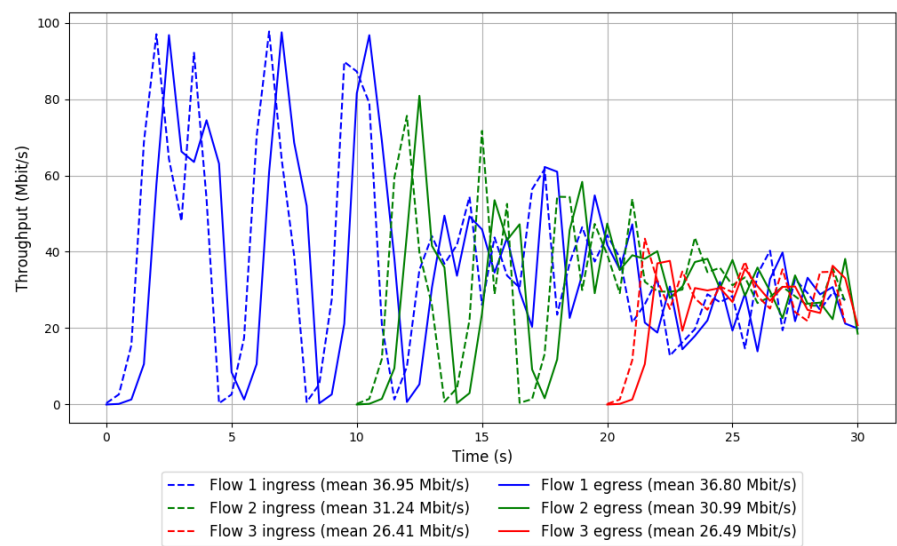


Run 1: Statistics of Verus

Start at: 2018-07-18 09:18:40
End at: 2018-07-18 09:19:10
Local clock offset: -7.642 ms
Remote clock offset: 13.982 ms

Below is generated by plot.py at 2018-07-18 12:56:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.07 Mbit/s
95th percentile per-packet one-way delay: 112.723 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 110.994 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 114.613 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 26.49 Mbit/s
95th percentile per-packet one-way delay: 112.732 ms
Loss rate: 1.33%

Run 1: Report of Verus — Data Link

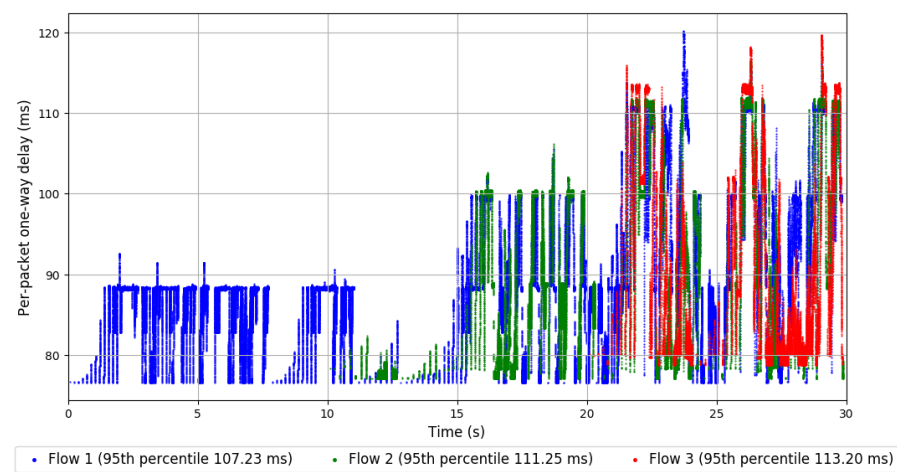
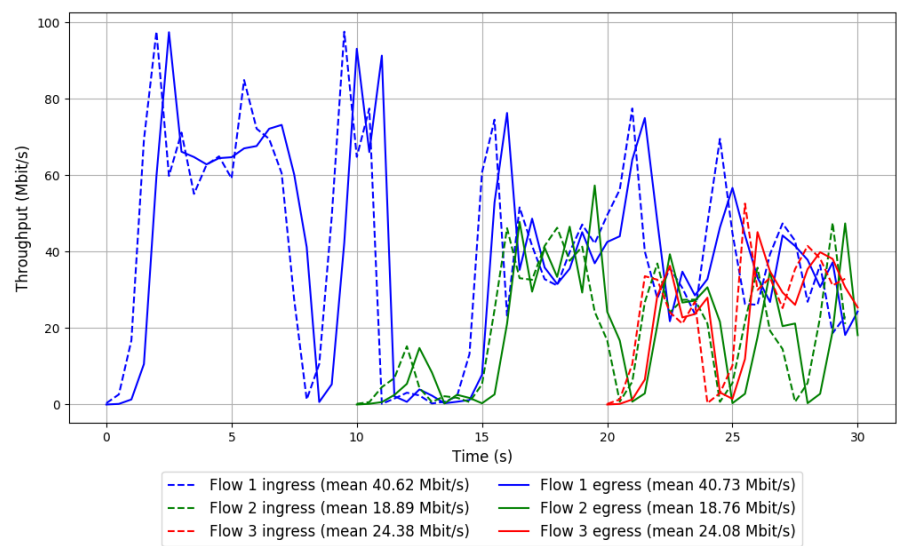


Run 2: Statistics of Verus

Start at: 2018-07-18 09:40:04
End at: 2018-07-18 09:40:34
Local clock offset: -7.379 ms
Remote clock offset: 16.026 ms

Below is generated by plot.py at 2018-07-18 12:56:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 110.785 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 107.228 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 111.254 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 113.202 ms
Loss rate: 3.24%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-18 10:01:16

End at: 2018-07-18 10:01:46

Local clock offset: -7.108 ms

Remote clock offset: 6.05 ms

Below is generated by plot.py at 2018-07-18 12:56:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.53 Mbit/s

95th percentile per-packet one-way delay: 116.383 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 111.269 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 25.72 Mbit/s

95th percentile per-packet one-way delay: 116.877 ms

Loss rate: 0.28%

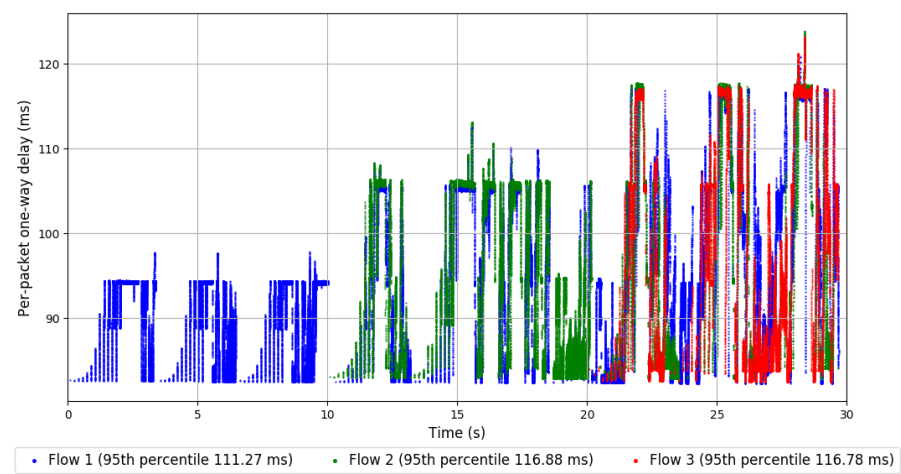
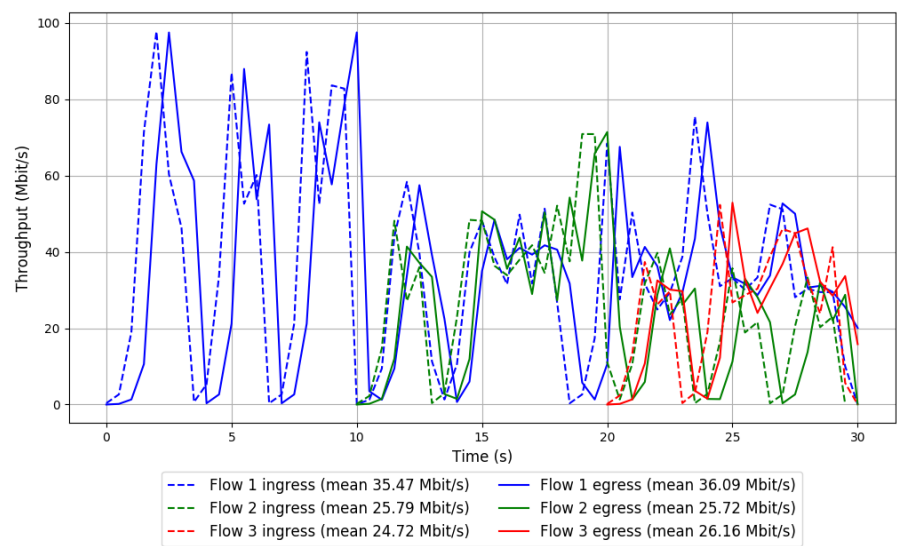
-- Flow 3:

Average throughput: 26.16 Mbit/s

95th percentile per-packet one-way delay: 116.775 ms

Loss rate: 0.45%

Run 3: Report of Verus — Data Link

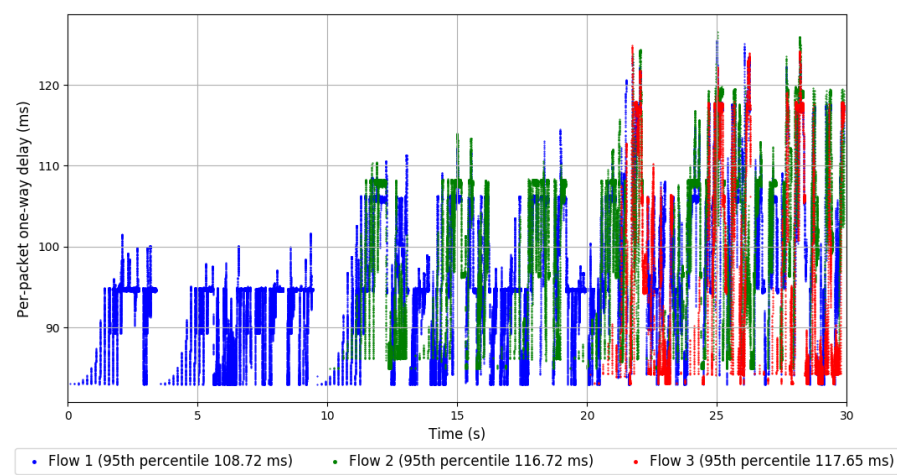
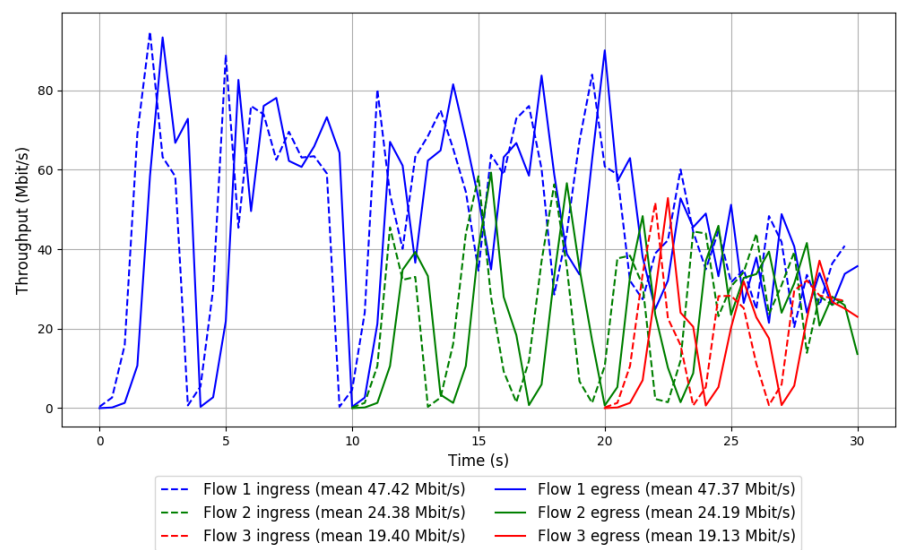


Run 4: Statistics of Verus

Start at: 2018-07-18 10:22:24
End at: 2018-07-18 10:22:54
Local clock offset: -6.892 ms
Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-07-18 12:56:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.72 Mbit/s
95th percentile per-packet one-way delay: 114.800 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 47.37 Mbit/s
95th percentile per-packet one-way delay: 108.722 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 116.725 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 19.13 Mbit/s
95th percentile per-packet one-way delay: 117.651 ms
Loss rate: 3.02%

Run 4: Report of Verus — Data Link

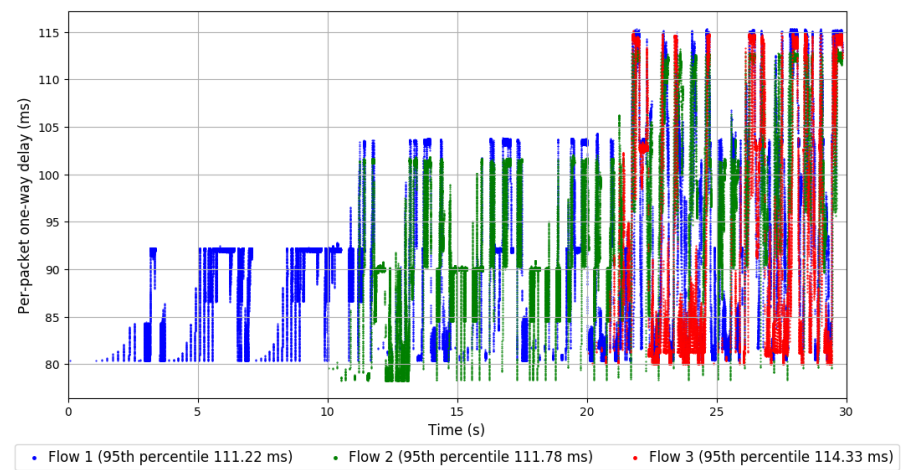
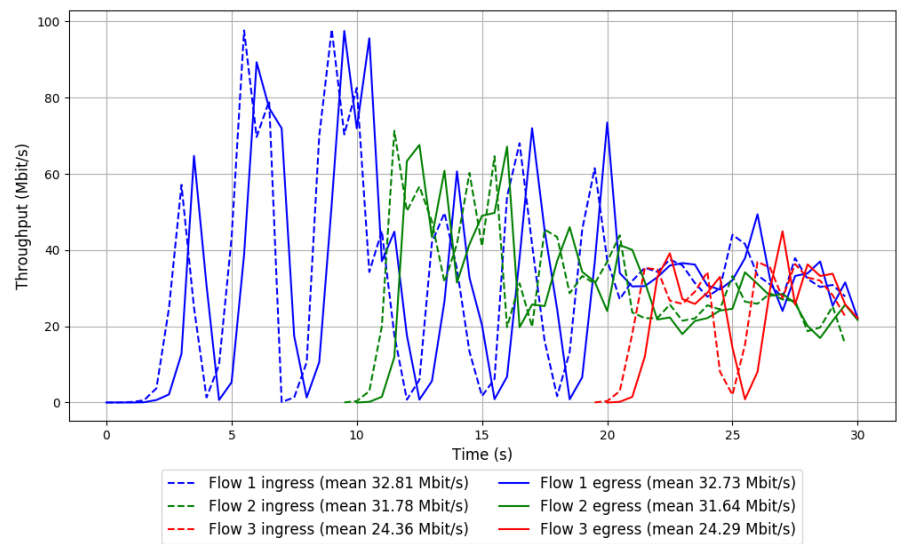


Run 5: Statistics of Verus

Start at: 2018-07-18 10:43:45
End at: 2018-07-18 10:44:15
Local clock offset: -2.289 ms
Remote clock offset: 13.642 ms

Below is generated by plot.py at 2018-07-18 12:56:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 112.445 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 111.216 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 111.775 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 114.325 ms
Loss rate: 1.91%

Run 5: Report of Verus — Data Link

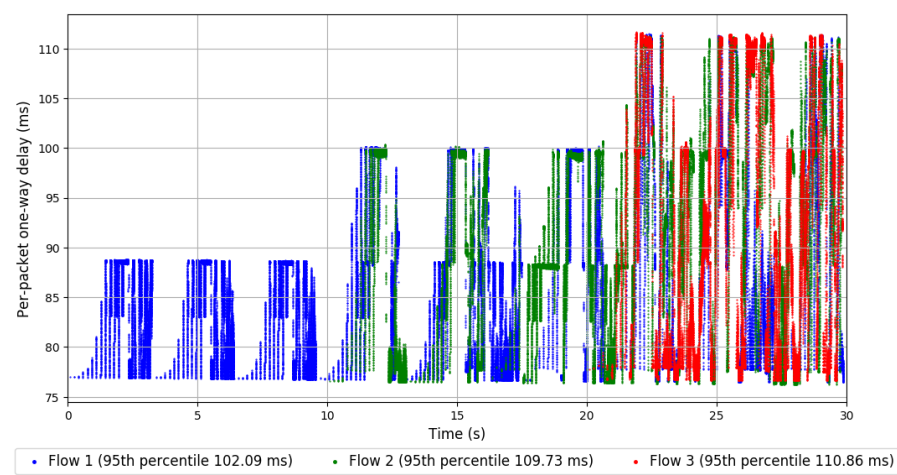
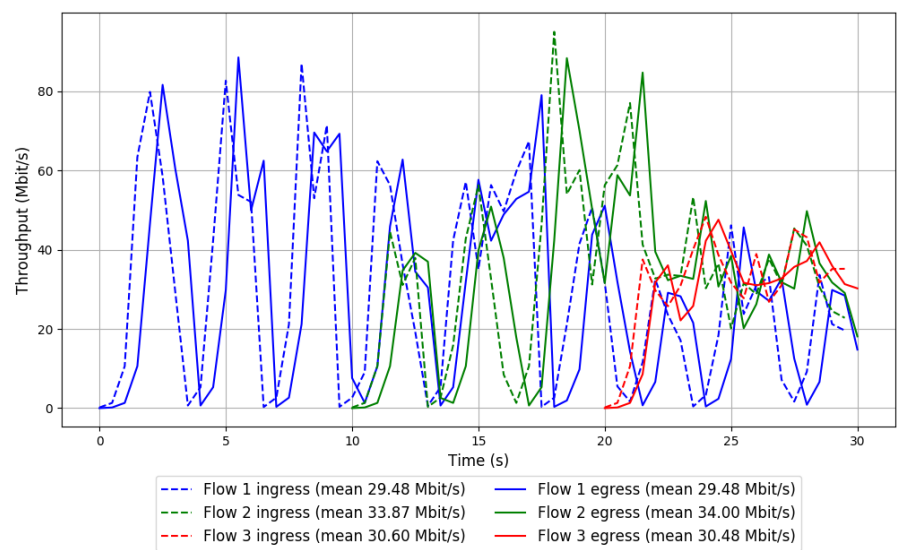


Run 6: Statistics of Verus

Start at: 2018-07-18 11:04:58
End at: 2018-07-18 11:05:28
Local clock offset: -1.965 ms
Remote clock offset: 17.176 ms

Below is generated by plot.py at 2018-07-18 12:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.96 Mbit/s
95th percentile per-packet one-way delay: 109.612 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 102.090 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 109.731 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 110.857 ms
Loss rate: 2.49%

Run 6: Report of Verus — Data Link

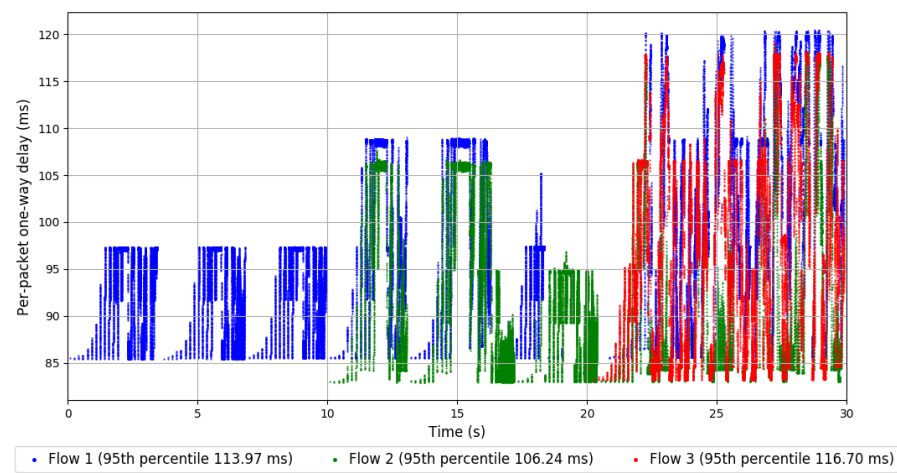
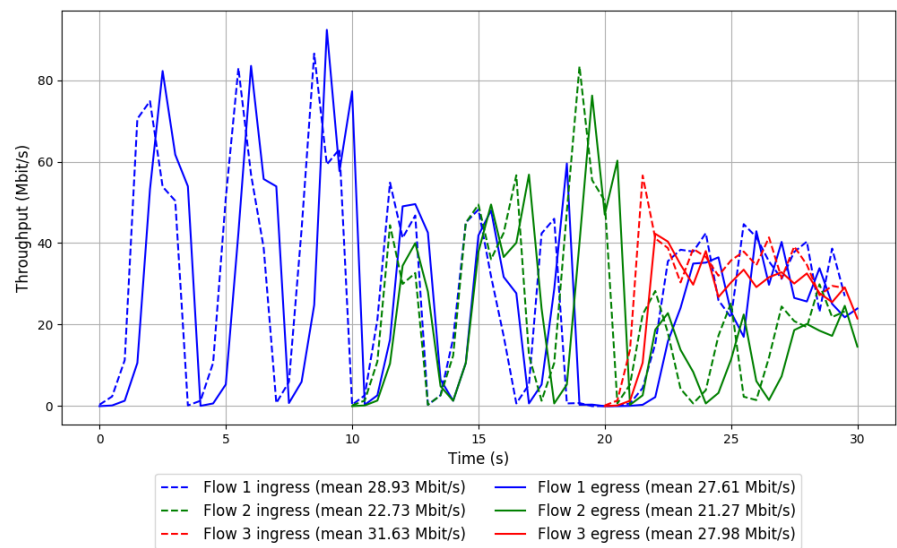


Run 7: Statistics of Verus

Start at: 2018-07-18 11:26:31
End at: 2018-07-18 11:27:01
Local clock offset: -2.503 ms
Remote clock offset: 2.249 ms

Below is generated by plot.py at 2018-07-18 12:56:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.87 Mbit/s
95th percentile per-packet one-way delay: 113.661 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 113.970 ms
Loss rate: 4.93%
-- Flow 2:
Average throughput: 21.27 Mbit/s
95th percentile per-packet one-way delay: 106.240 ms
Loss rate: 7.56%
-- Flow 3:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 116.699 ms
Loss rate: 12.99%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-18 11:47:52

End at: 2018-07-18 11:48:22

Local clock offset: -7.23 ms

Remote clock offset: 8.374 ms

Below is generated by plot.py at 2018-07-18 12:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 115.381 ms

Loss rate: 7.41%

-- Flow 1:

Average throughput: 33.35 Mbit/s

95th percentile per-packet one-way delay: 111.862 ms

Loss rate: 8.82%

-- Flow 2:

Average throughput: 18.67 Mbit/s

95th percentile per-packet one-way delay: 115.354 ms

Loss rate: 6.97%

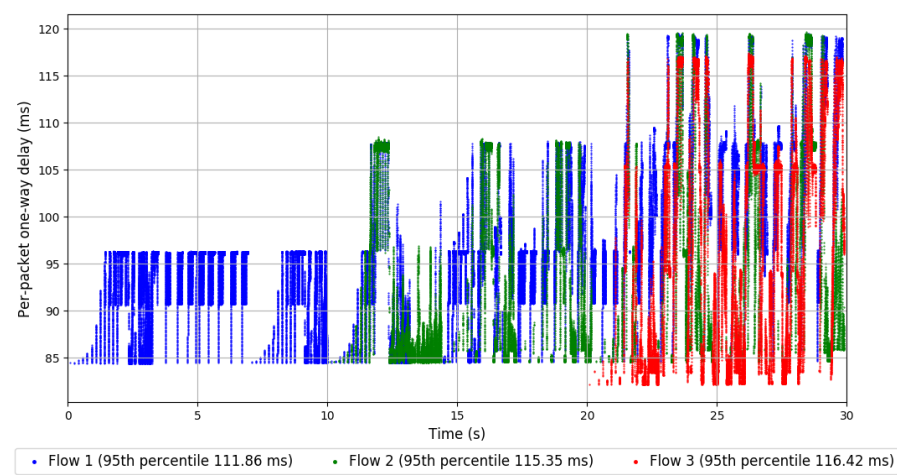
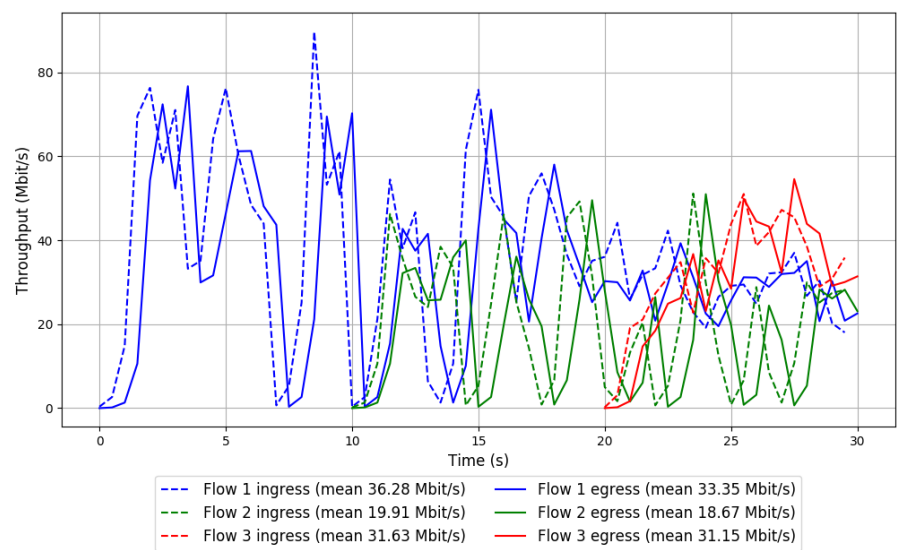
-- Flow 3:

Average throughput: 31.15 Mbit/s

95th percentile per-packet one-way delay: 116.421 ms

Loss rate: 3.10%

Run 8: Report of Verus — Data Link

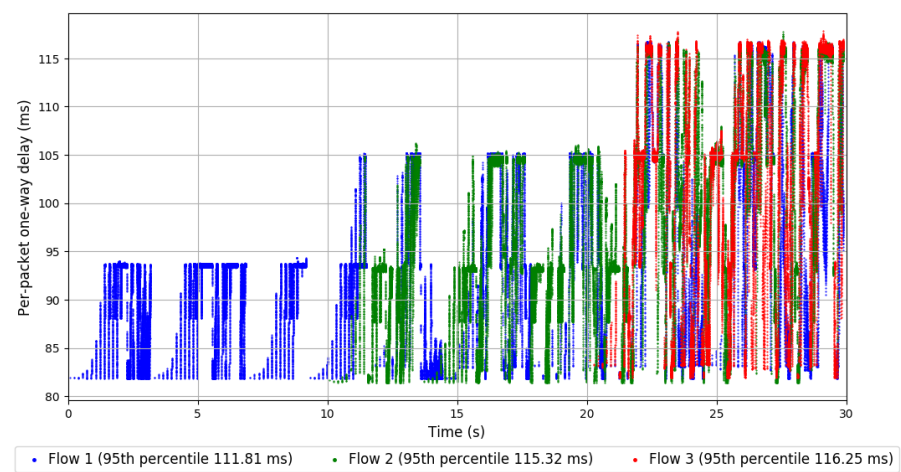
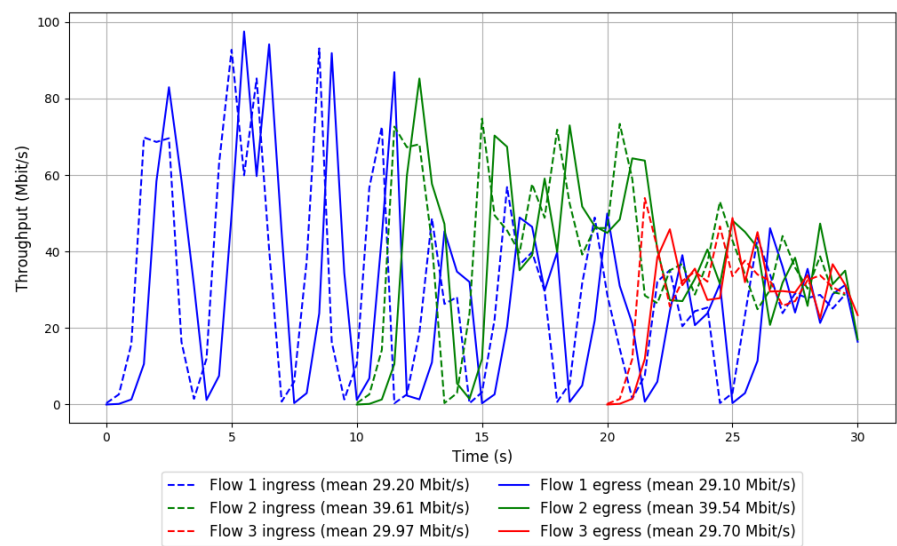


Run 9: Statistics of Verus

Start at: 2018-07-18 12:09:14
End at: 2018-07-18 12:09:44
Local clock offset: -2.673 ms
Remote clock offset: 13.339 ms

Below is generated by plot.py at 2018-07-18 12:56:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 115.653 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 111.812 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 115.319 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 116.248 ms
Loss rate: 2.43%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-18 12:30:24

End at: 2018-07-18 12:30:54

Local clock offset: -3.89 ms

Remote clock offset: 10.96 ms

Below is generated by plot.py at 2018-07-18 12:56:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.30 Mbit/s

95th percentile per-packet one-way delay: 111.894 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 35.23 Mbit/s

95th percentile per-packet one-way delay: 113.313 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 32.88 Mbit/s

95th percentile per-packet one-way delay: 111.697 ms

Loss rate: 0.98%

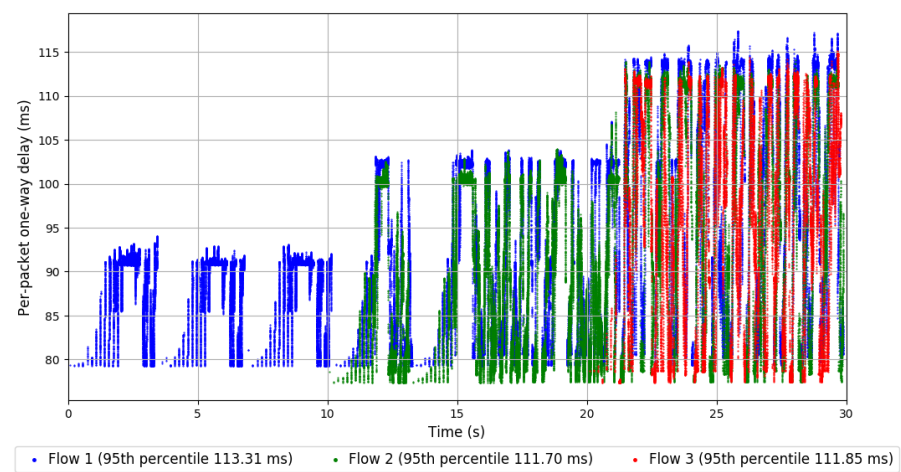
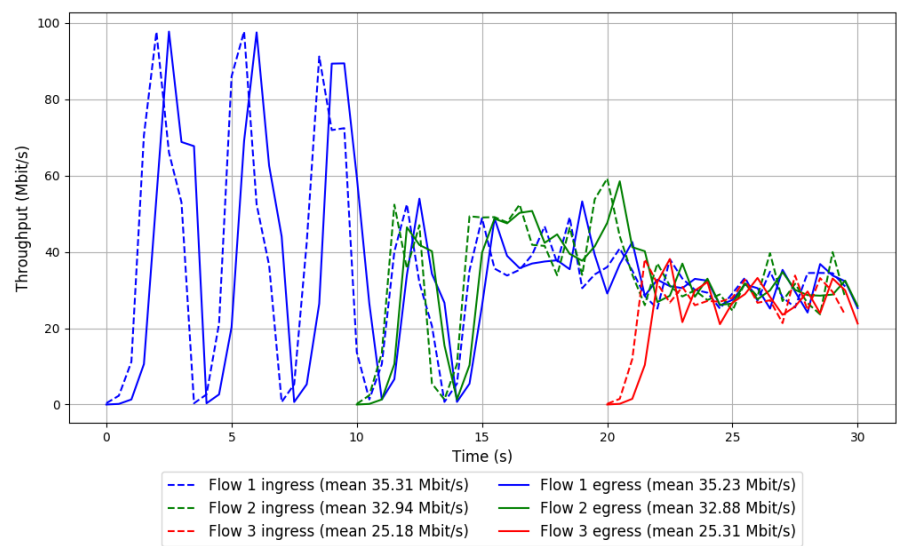
-- Flow 3:

Average throughput: 25.31 Mbit/s

95th percentile per-packet one-way delay: 111.849 ms

Loss rate: 2.19%

Run 10: Report of Verus — Data Link

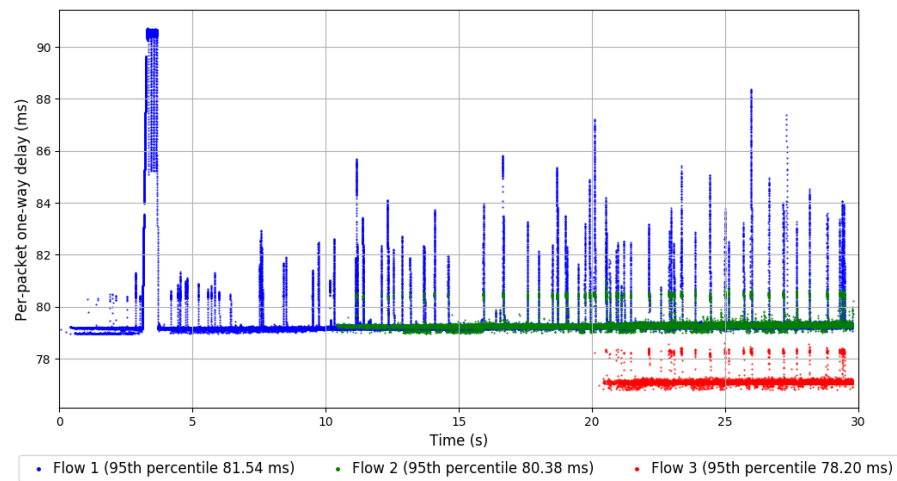
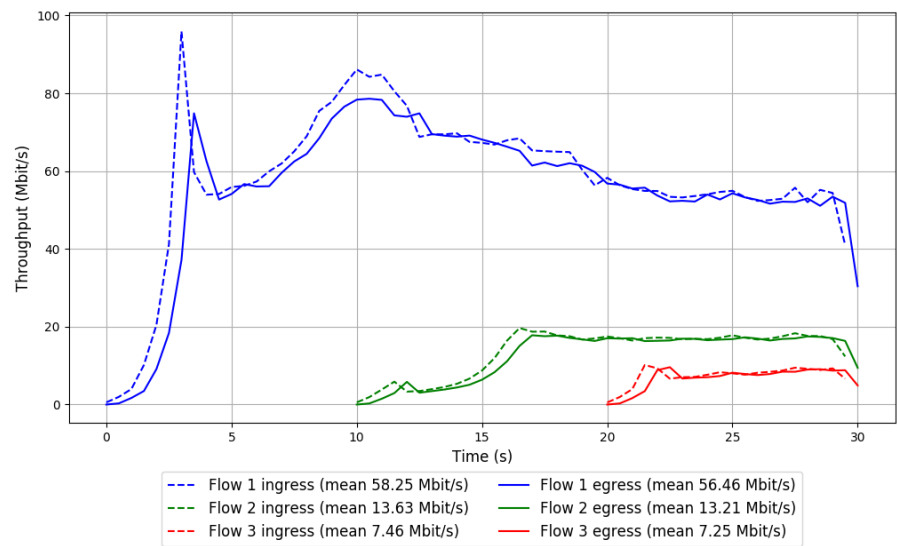


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 09:13:31
End at: 2018-07-18 09:14:01
Local clock offset: -7.221 ms
Remote clock offset: 15.076 ms

Below is generated by plot.py at 2018-07-18 12:56:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.59 Mbit/s
95th percentile per-packet one-way delay: 80.914 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 81.539 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 80.379 ms
Loss rate: 3.85%
-- Flow 3:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 78.196 ms
Loss rate: 4.43%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 09:34:45

End at: 2018-07-18 09:35:15

Local clock offset: -7.467 ms

Remote clock offset: 9.769 ms

Below is generated by plot.py at 2018-07-18 12:57:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 85.023 ms

Loss rate: 2.93%

-- Flow 1:

Average throughput: 59.25 Mbit/s

95th percentile per-packet one-way delay: 84.726 ms

Loss rate: 2.85%

-- Flow 2:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 83.384 ms

Loss rate: 3.31%

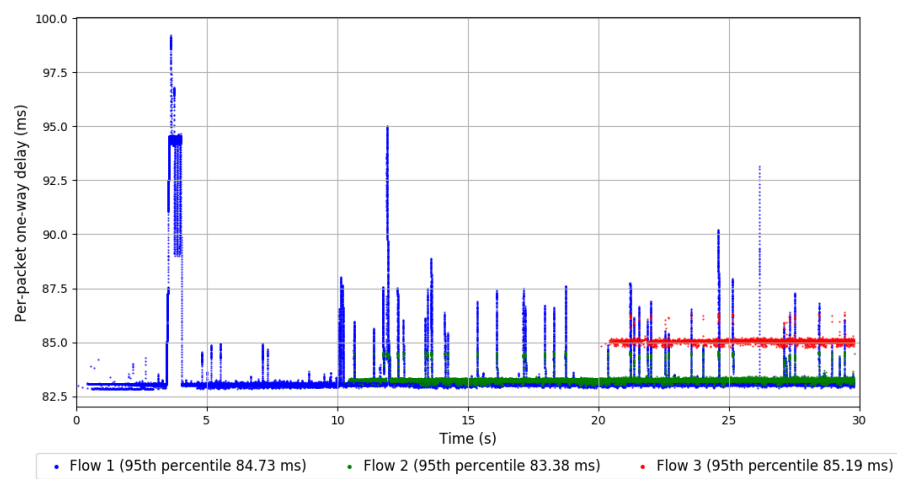
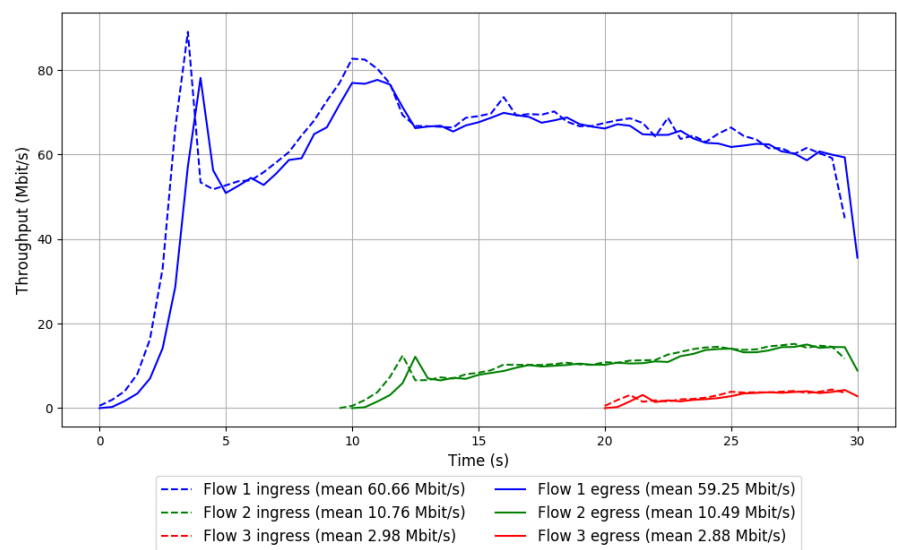
-- Flow 3:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 85.191 ms

Loss rate: 4.95%

Run 2: Report of PCC-Vivace — Data Link

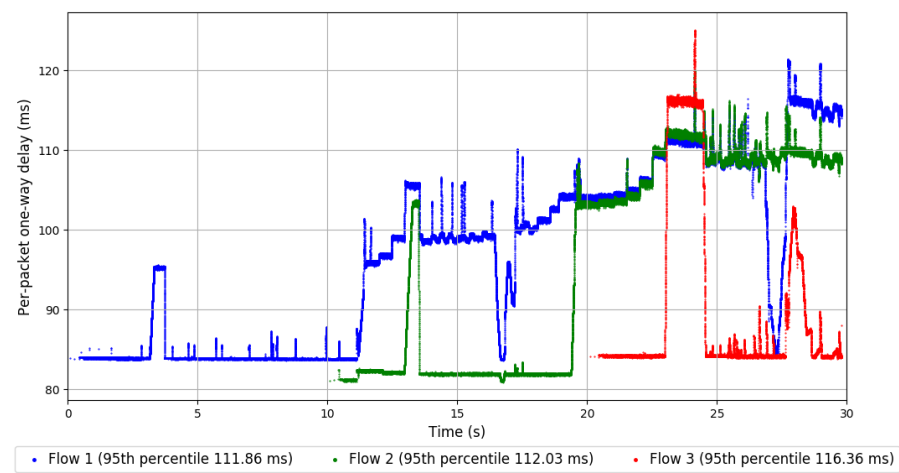
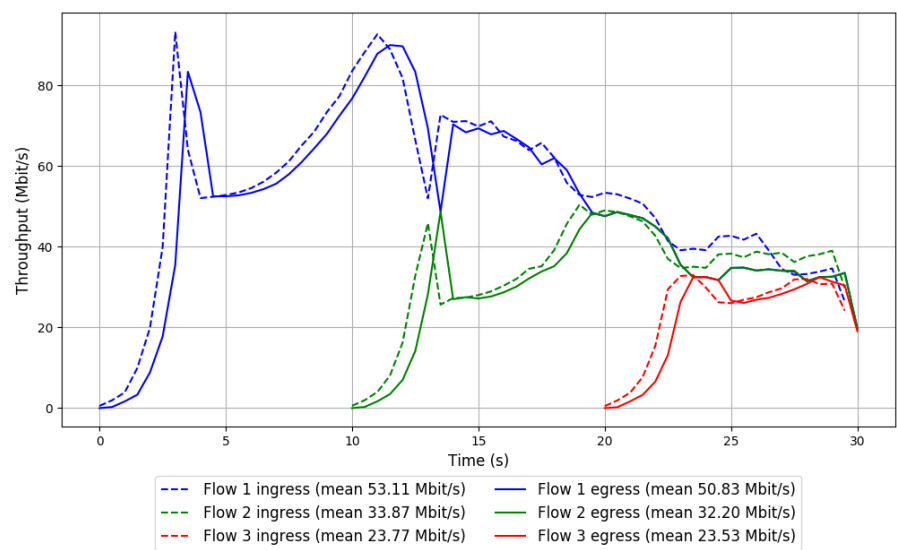


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 09:56:06
End at: 2018-07-18 09:56:36
Local clock offset: -7.485 ms
Remote clock offset: 11.276 ms

Below is generated by plot.py at 2018-07-18 12:57:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.87 Mbit/s
95th percentile per-packet one-way delay: 113.916 ms
Loss rate: 4.86%
-- Flow 1:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 111.860 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 112.028 ms
Loss rate: 5.75%
-- Flow 3:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 116.359 ms
Loss rate: 2.64%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 10:17:16

End at: 2018-07-18 10:17:46

Local clock offset: -6.791 ms

Remote clock offset: 2.044 ms

Below is generated by plot.py at 2018-07-18 12:57:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.39 Mbit/s

95th percentile per-packet one-way delay: 112.984 ms

Loss rate: 3.61%

-- Flow 1:

Average throughput: 49.40 Mbit/s

95th percentile per-packet one-way delay: 104.681 ms

Loss rate: 3.13%

-- Flow 2:

Average throughput: 33.46 Mbit/s

95th percentile per-packet one-way delay: 115.477 ms

Loss rate: 4.93%

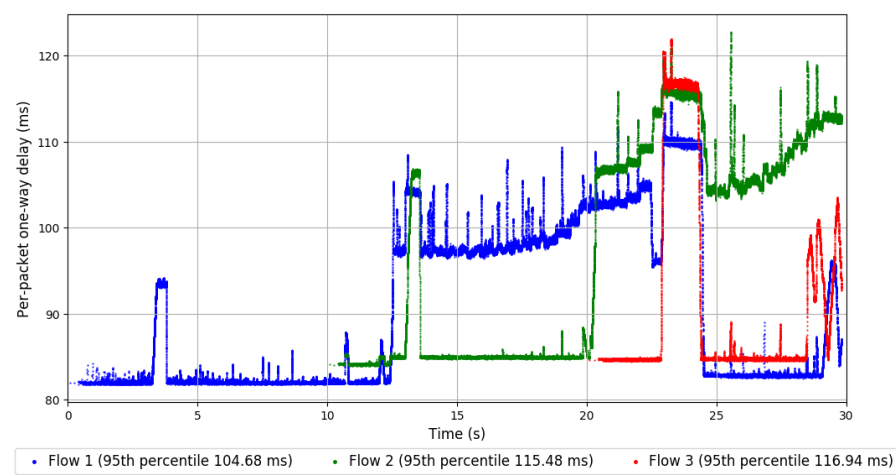
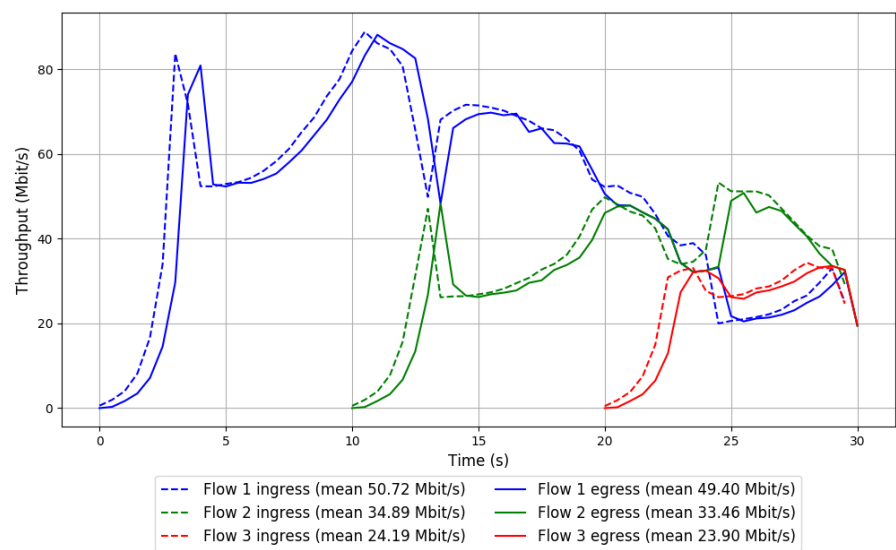
-- Flow 3:

Average throughput: 23.90 Mbit/s

95th percentile per-packet one-way delay: 116.939 ms

Loss rate: 2.82%

Run 4: Report of PCC-Vivace — Data Link

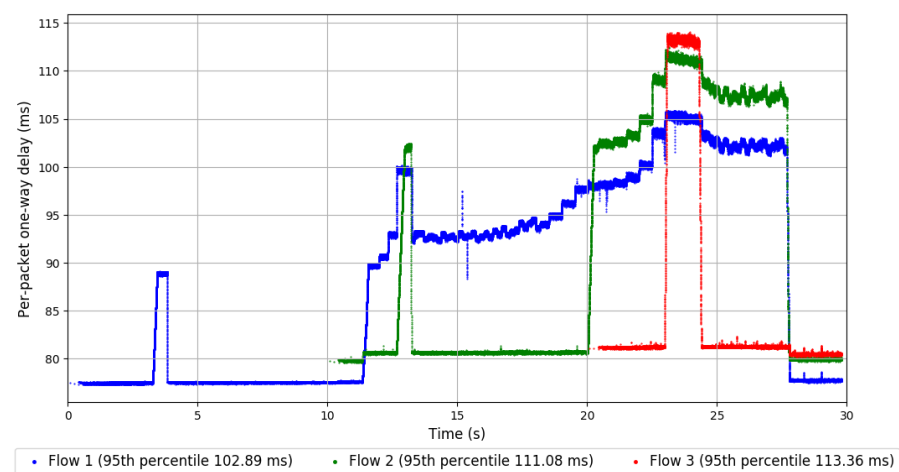
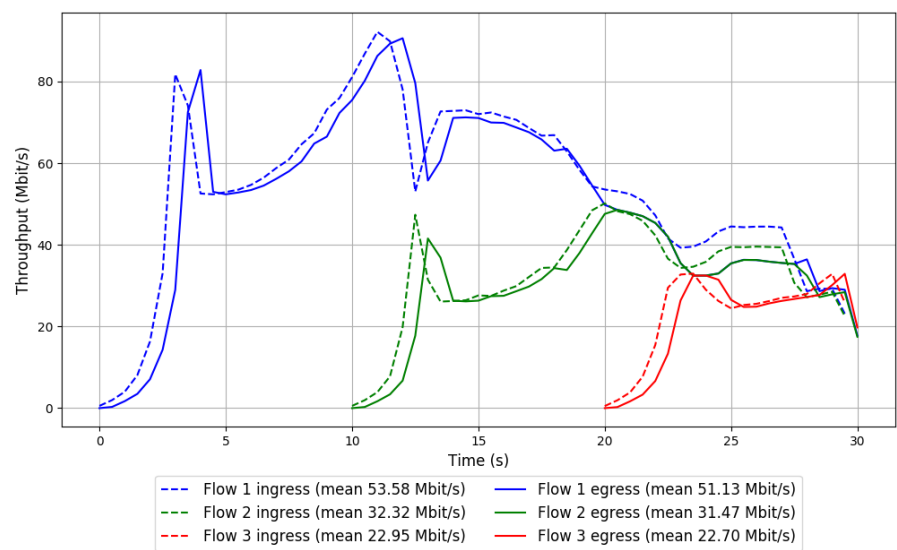


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 10:38:36
End at: 2018-07-18 10:39:06
Local clock offset: -2.974 ms
Remote clock offset: 11.703 ms

Below is generated by plot.py at 2018-07-18 12:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 108.205 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 51.13 Mbit/s
95th percentile per-packet one-way delay: 102.887 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 111.084 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 22.70 Mbit/s
95th percentile per-packet one-way delay: 113.363 ms
Loss rate: 2.76%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 10:59:50

End at: 2018-07-18 11:00:20

Local clock offset: -1.74 ms

Remote clock offset: 11.52 ms

Below is generated by plot.py at 2018-07-18 12:57:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.26 Mbit/s

95th percentile per-packet one-way delay: 112.467 ms

Loss rate: 3.63%

-- Flow 1:

Average throughput: 54.47 Mbit/s

95th percentile per-packet one-way delay: 110.799 ms

Loss rate: 4.23%

-- Flow 2:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 114.310 ms

Loss rate: 2.27%

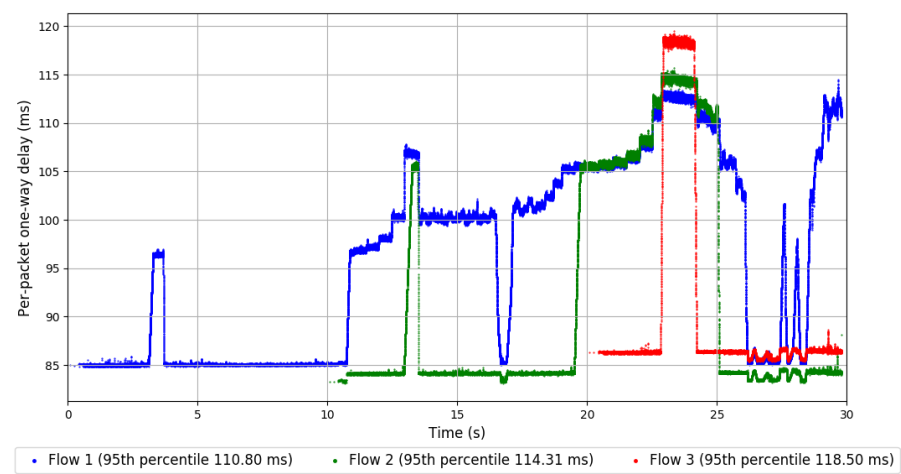
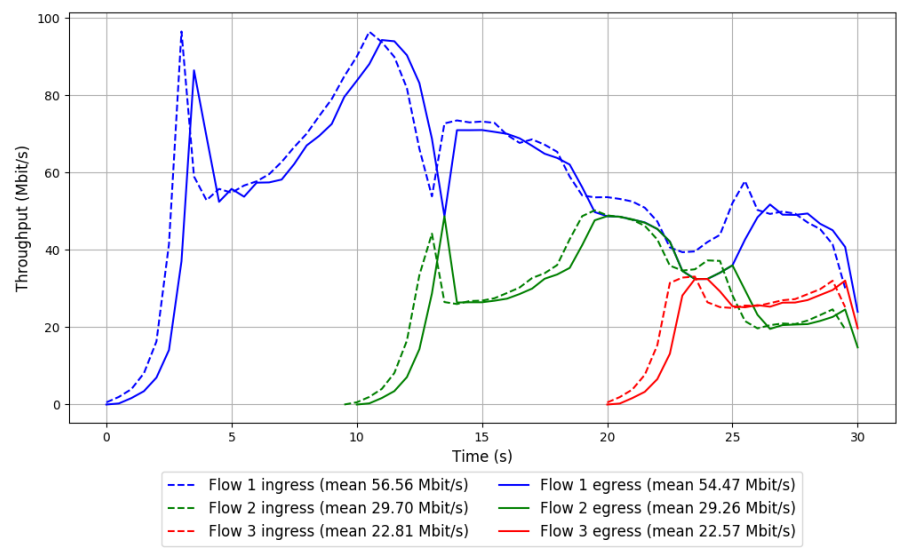
-- Flow 3:

Average throughput: 22.57 Mbit/s

95th percentile per-packet one-way delay: 118.501 ms

Loss rate: 2.70%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 11:21:22

End at: 2018-07-18 11:21:52

Local clock offset: -1.848 ms

Remote clock offset: 4.277 ms

Below is generated by plot.py at 2018-07-18 12:57:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.31 Mbit/s

95th percentile per-packet one-way delay: 114.650 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 50.67 Mbit/s

95th percentile per-packet one-way delay: 111.918 ms

Loss rate: 2.11%

-- Flow 2:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 115.824 ms

Loss rate: 3.48%

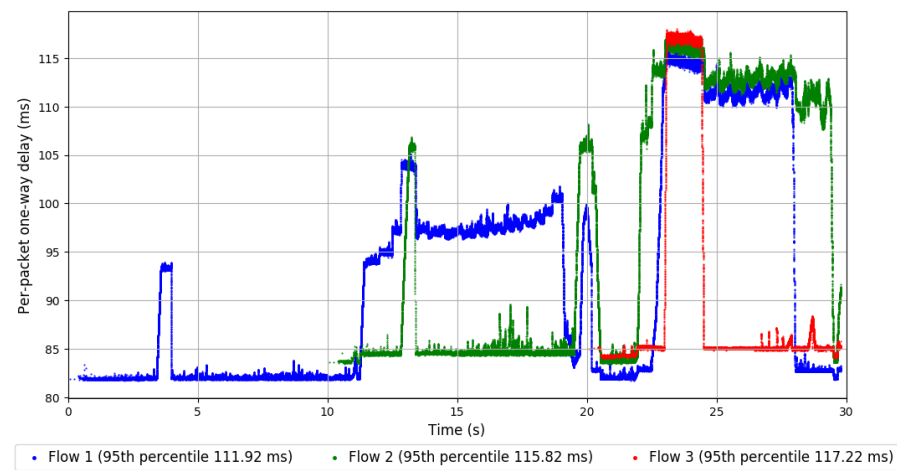
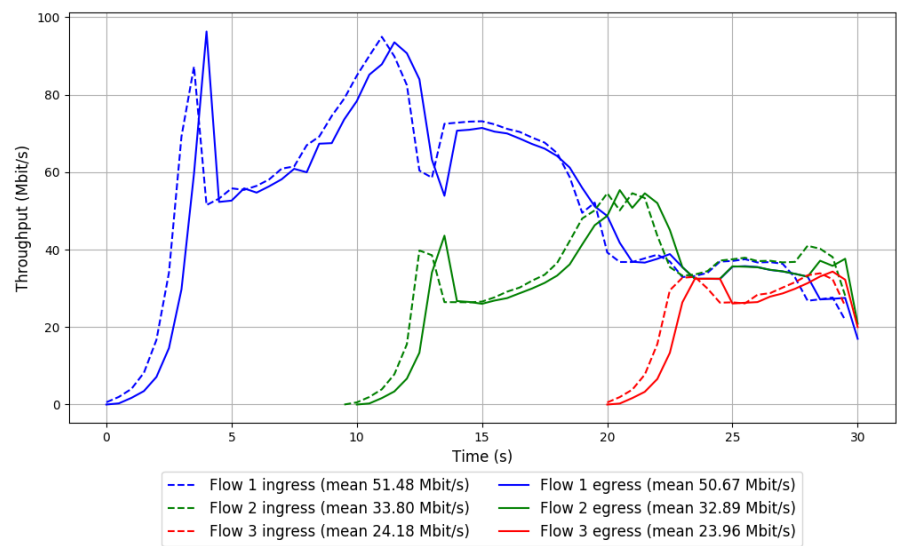
-- Flow 3:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 117.218 ms

Loss rate: 2.60%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 11:42:34

End at: 2018-07-18 11:43:04

Local clock offset: -6.728 ms

Remote clock offset: 9.637 ms

Below is generated by plot.py at 2018-07-18 12:57:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.73 Mbit/s

95th percentile per-packet one-way delay: 109.084 ms

Loss rate: 3.74%

-- Flow 1:

Average throughput: 50.46 Mbit/s

95th percentile per-packet one-way delay: 108.784 ms

Loss rate: 4.04%

-- Flow 2:

Average throughput: 29.82 Mbit/s

95th percentile per-packet one-way delay: 111.697 ms

Loss rate: 2.48%

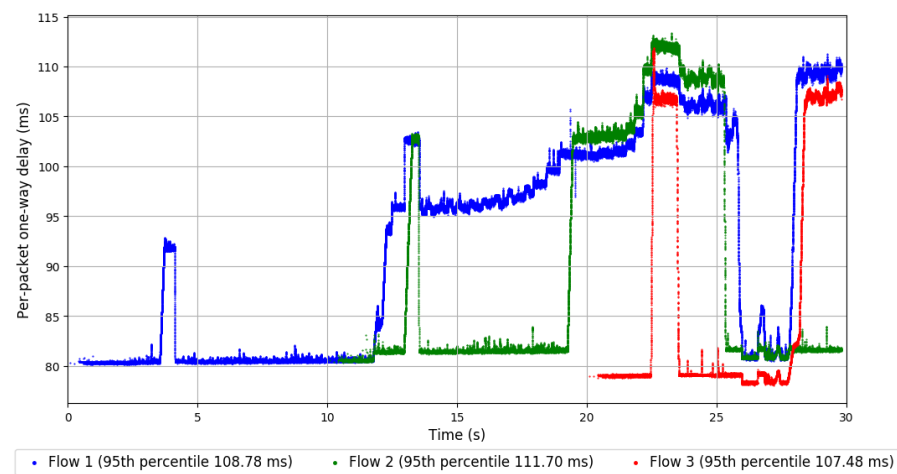
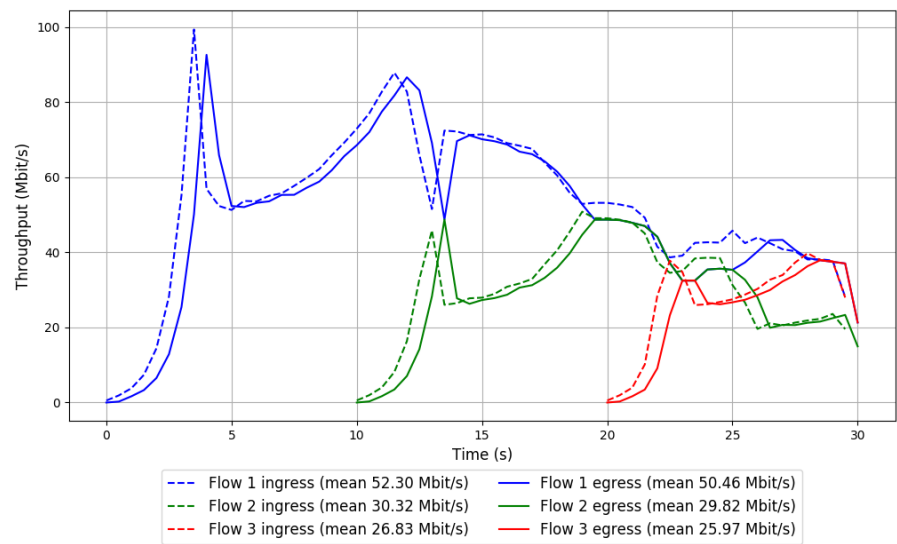
-- Flow 3:

Average throughput: 25.97 Mbit/s

95th percentile per-packet one-way delay: 107.483 ms

Loss rate: 4.90%

Run 8: Report of PCC-Vivace — Data Link

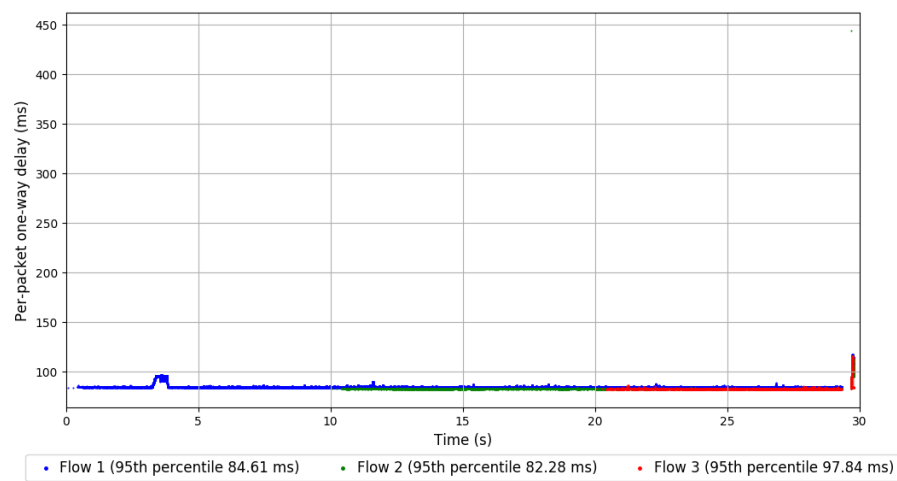
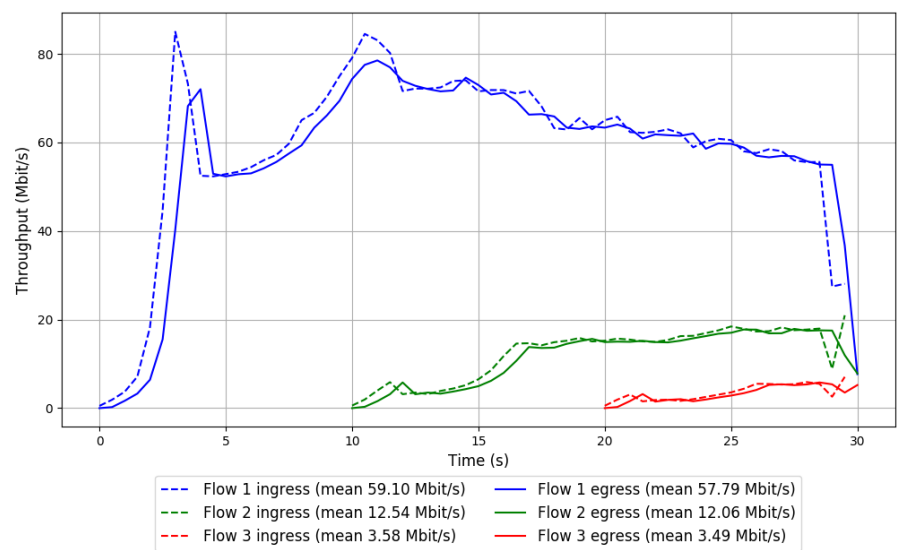


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 12:03:55
End at: 2018-07-18 12:04:25
Local clock offset: -3.776 ms
Remote clock offset: 12.449 ms

Below is generated by plot.py at 2018-07-18 12:57:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 84.518 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 84.614 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 82.278 ms
Loss rate: 4.61%
-- Flow 3:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 97.838 ms
Loss rate: 4.17%

Run 9: Report of PCC-Vivace — Data Link

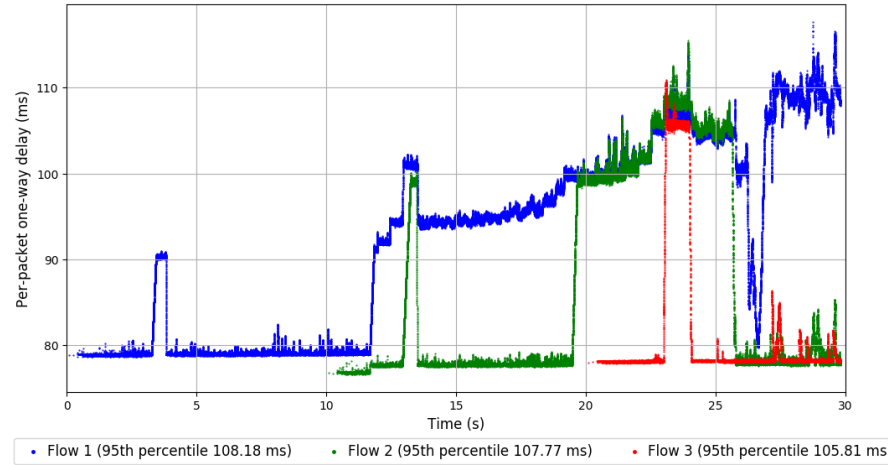
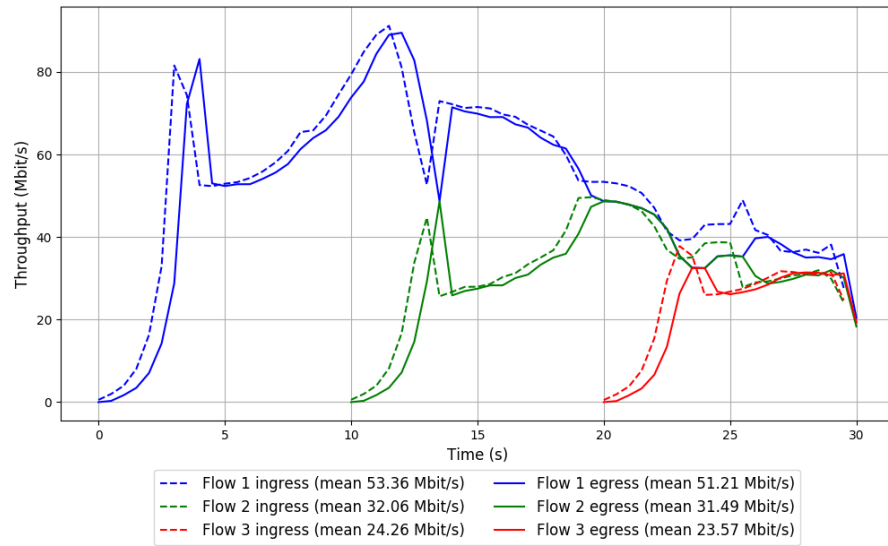


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 12:25:14
End at: 2018-07-18 12:25:44
Local clock offset: -1.074 ms
Remote clock offset: 11.997 ms

Below is generated by plot.py at 2018-07-18 12:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 107.698 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 51.21 Mbit/s
95th percentile per-packet one-way delay: 108.178 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 107.774 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 105.811 ms
Loss rate: 4.48%

Run 10: Report of PCC-Vivace — Data Link

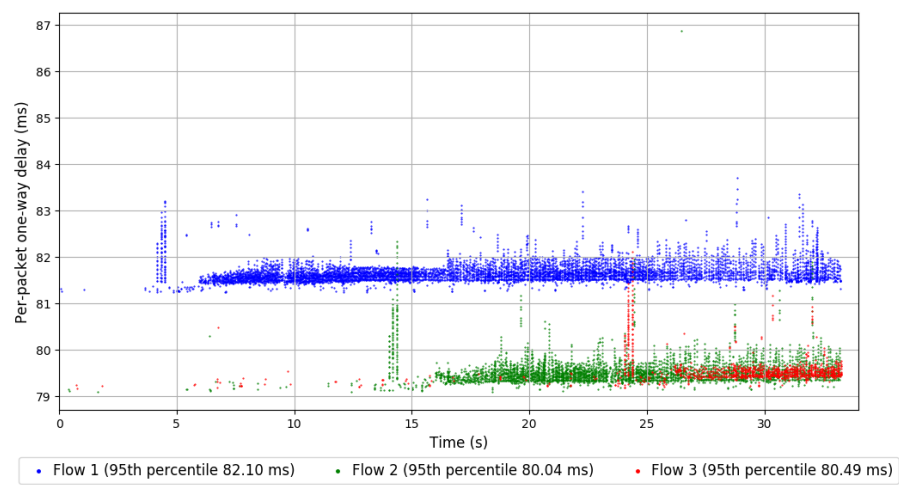
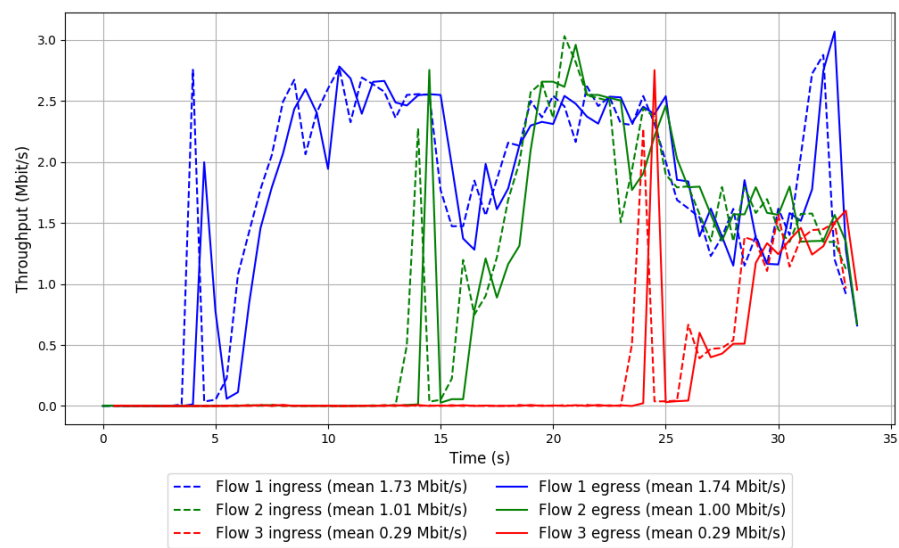


Run 1: Statistics of WebRTC media

Start at: 2018-07-18 09:22:28
End at: 2018-07-18 09:22:58
Local clock offset: -7.92 ms
Remote clock offset: 13.045 ms

Below is generated by plot.py at 2018-07-18 12:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 81.954 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 82.096 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 80.038 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 80.493 ms
Loss rate: 1.04%

Run 1: Report of WebRTC media — Data Link

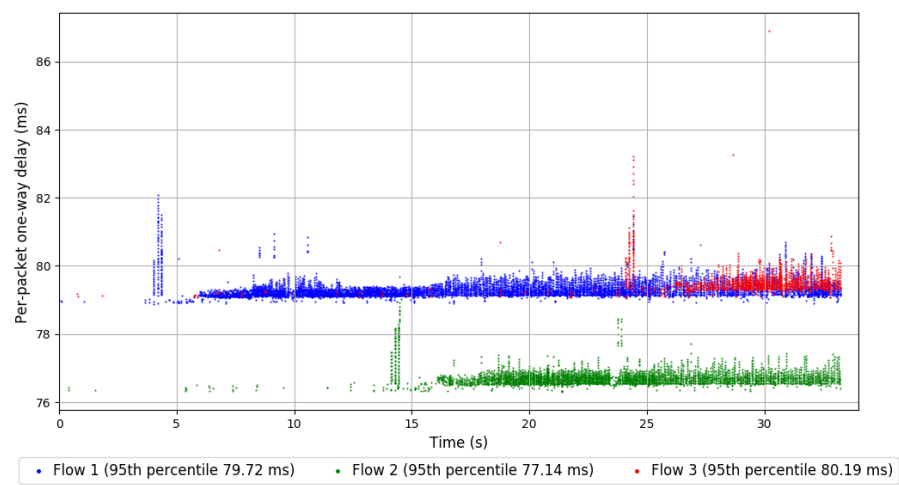
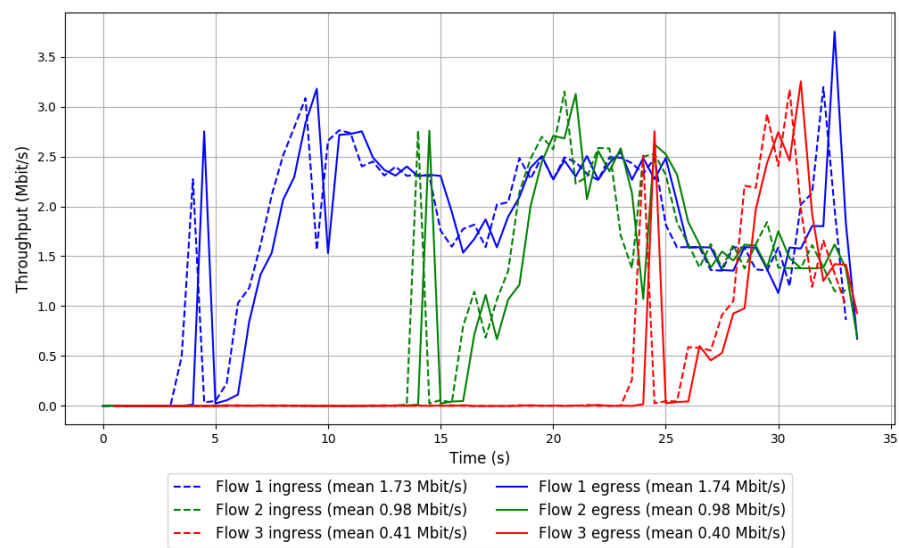


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 09:43:51
End at: 2018-07-18 09:44:21
Local clock offset: -7.397 ms
Remote clock offset: 16.195 ms

Below is generated by plot.py at 2018-07-18 12:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 79.732 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 79.721 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 77.138 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 80.191 ms
Loss rate: 1.74%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-18 10:05:02

End at: 2018-07-18 10:05:32

Local clock offset: -6.909 ms

Remote clock offset: 5.348 ms

Below is generated by plot.py at 2018-07-18 12:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 84.461 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 84.105 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 84.659 ms

Loss rate: 0.36%

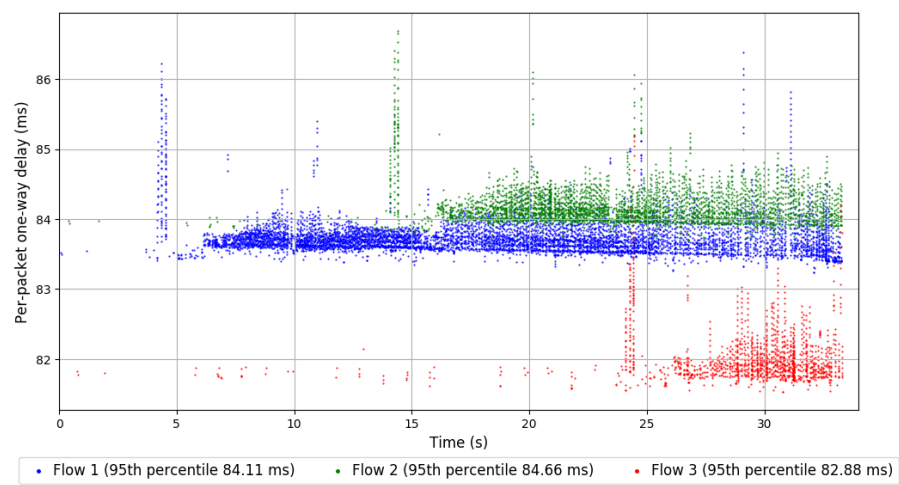
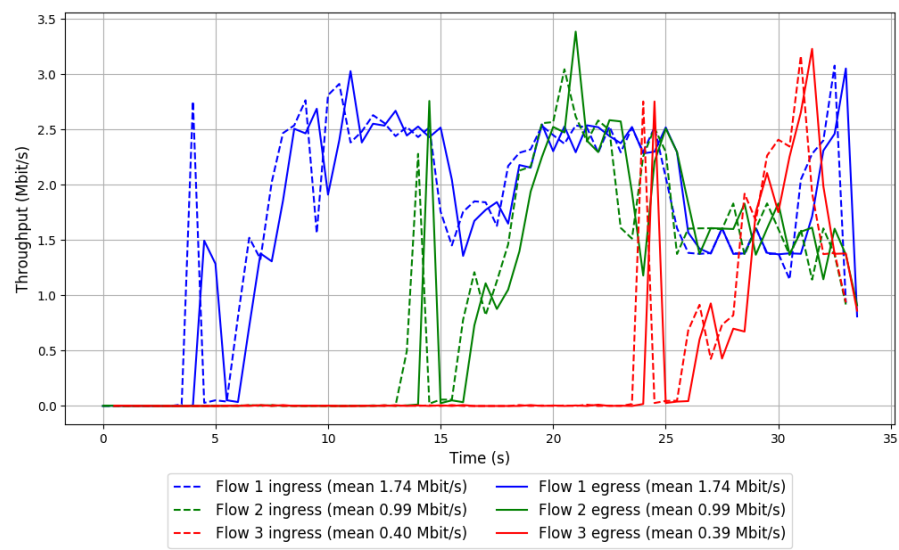
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 82.878 ms

Loss rate: 1.19%

Run 3: Report of WebRTC media — Data Link

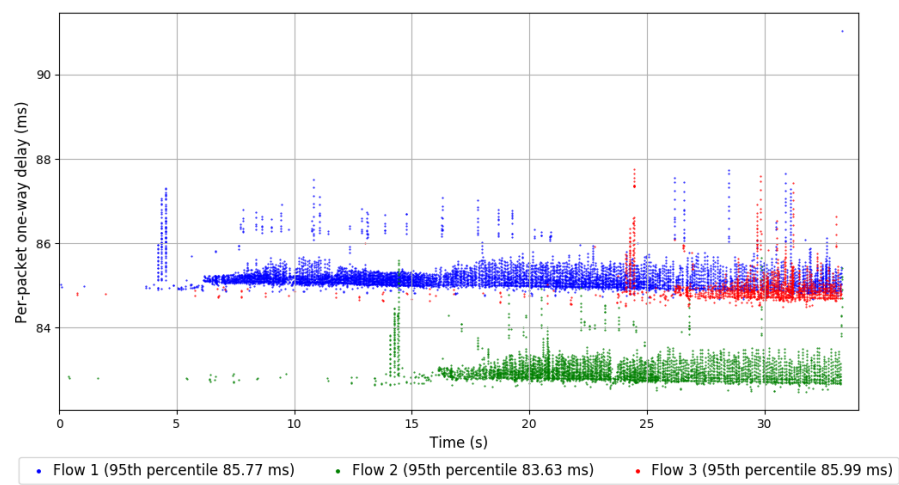
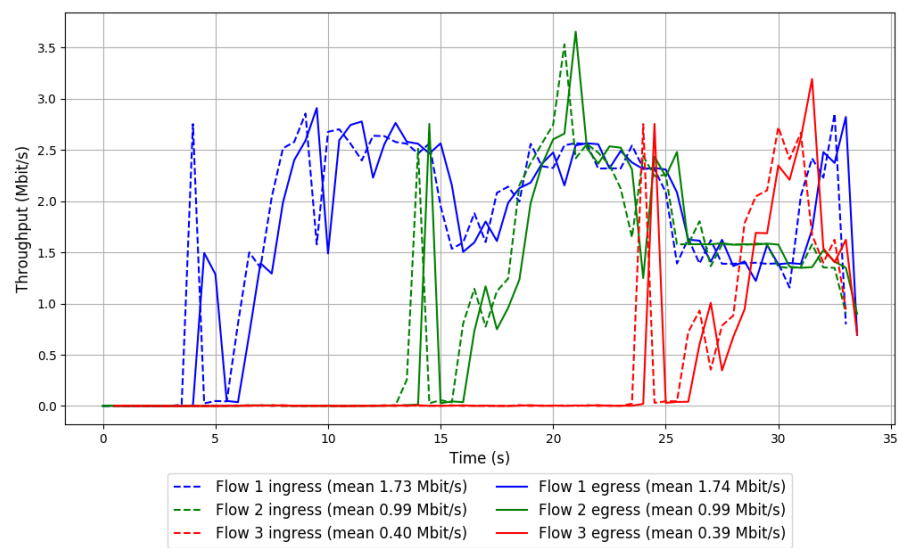


Run 4: Statistics of WebRTC media

Start at: 2018-07-18 10:26:11
End at: 2018-07-18 10:26:41
Local clock offset: -6.469 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-07-18 12:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 85.575 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 85.771 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 83.632 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 85.991 ms
Loss rate: 1.83%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-18 10:47:31

End at: 2018-07-18 10:48:01

Local clock offset: -1.931 ms

Remote clock offset: 9.698 ms

Below is generated by plot.py at 2018-07-18 12:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 85.616 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 85.722 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 83.932 ms

Loss rate: 0.70%

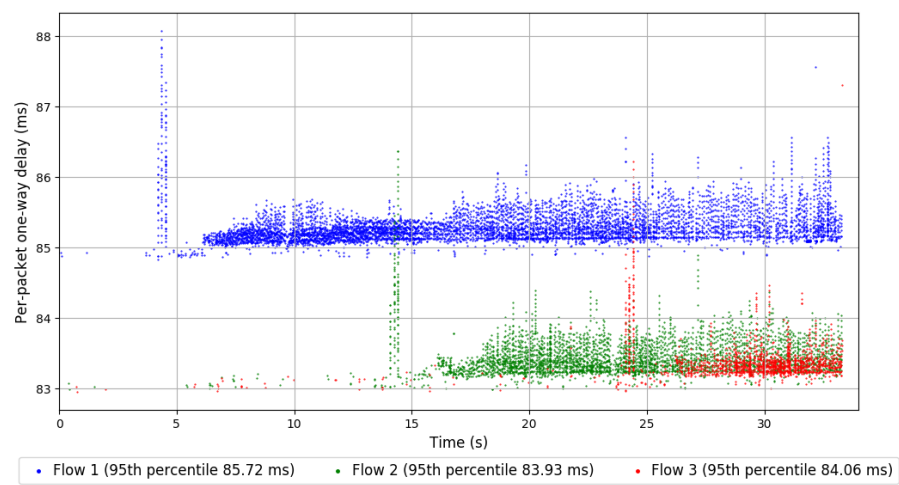
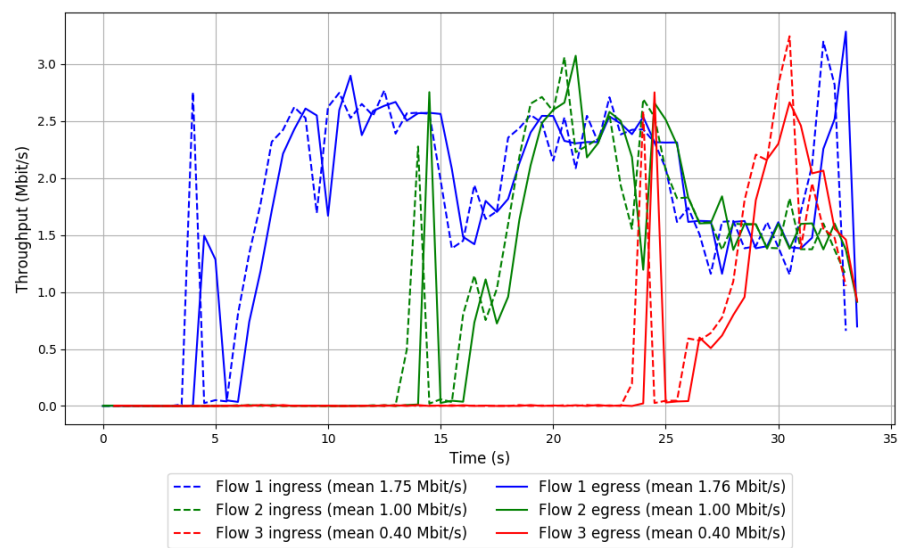
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 84.063 ms

Loss rate: 1.60%

Run 5: Report of WebRTC media — Data Link

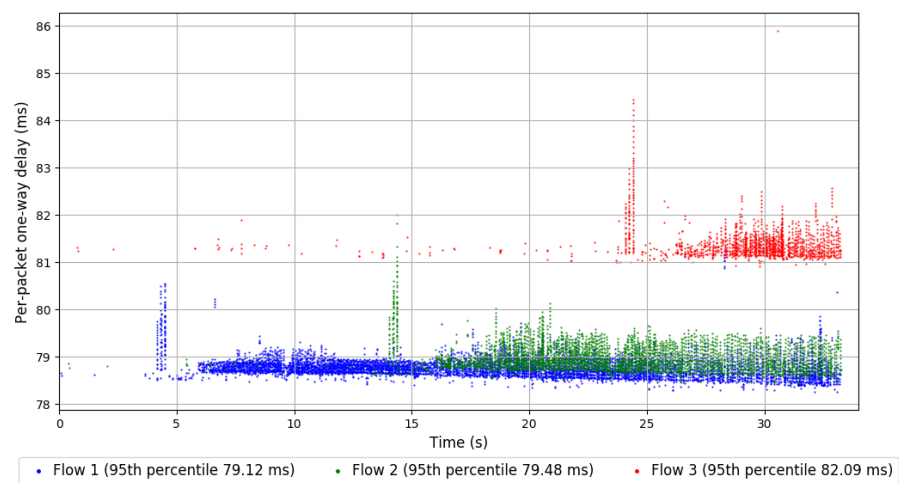
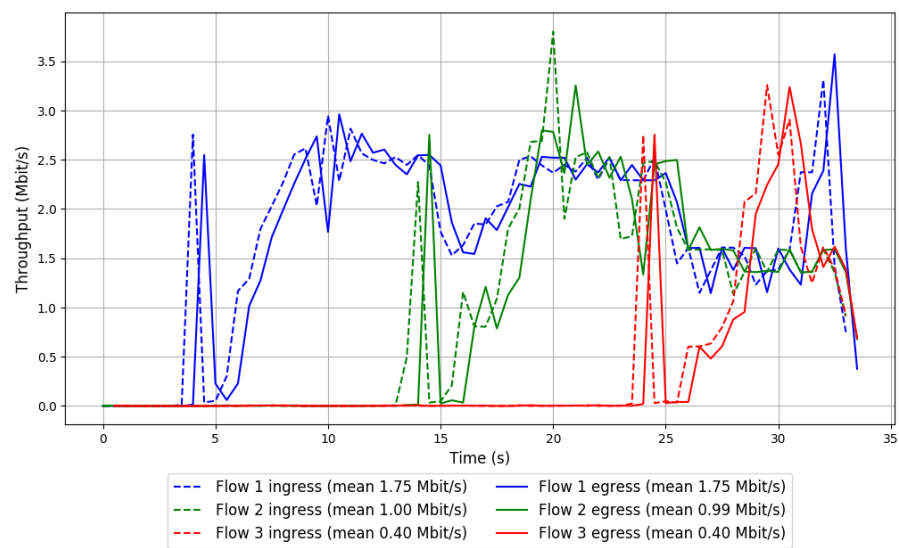


Run 6: Statistics of WebRTC media

Start at: 2018-07-18 11:08:45
End at: 2018-07-18 11:09:15
Local clock offset: -1.997 ms
Remote clock offset: 11.895 ms

Below is generated by plot.py at 2018-07-18 12:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 81.392 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 79.119 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 79.477 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 82.095 ms
Loss rate: 1.75%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-18 11:30:16

End at: 2018-07-18 11:30:46

Local clock offset: -4.099 ms

Remote clock offset: 6.909 ms

Below is generated by plot.py at 2018-07-18 12:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 80.774 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 80.913 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 78.592 ms

Loss rate: 0.69%

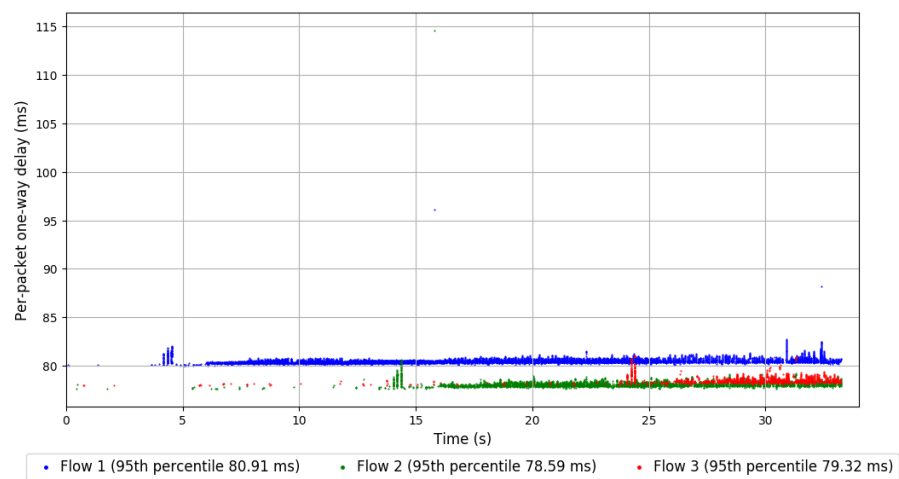
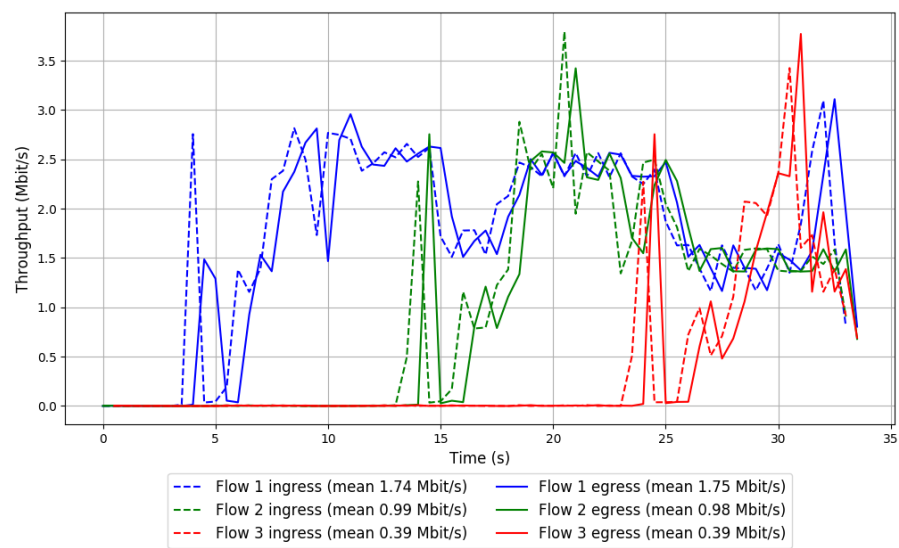
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 79.324 ms

Loss rate: 1.78%

Run 7: Report of WebRTC media — Data Link

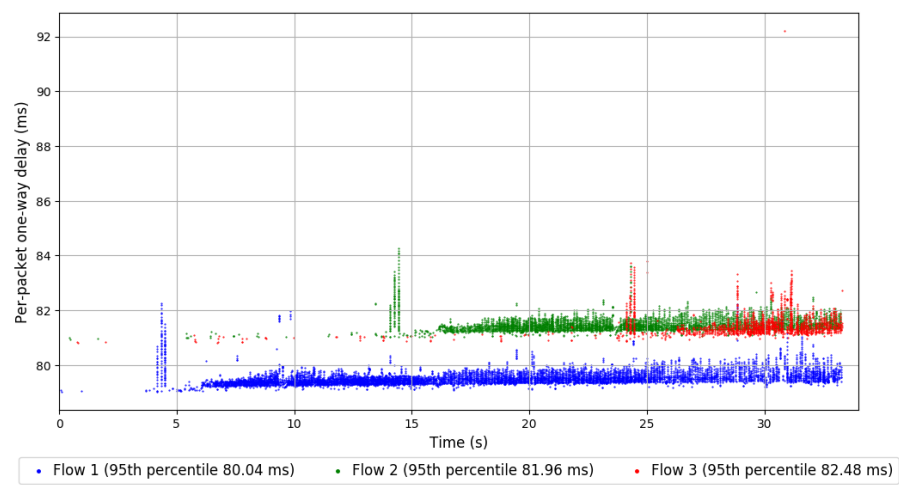
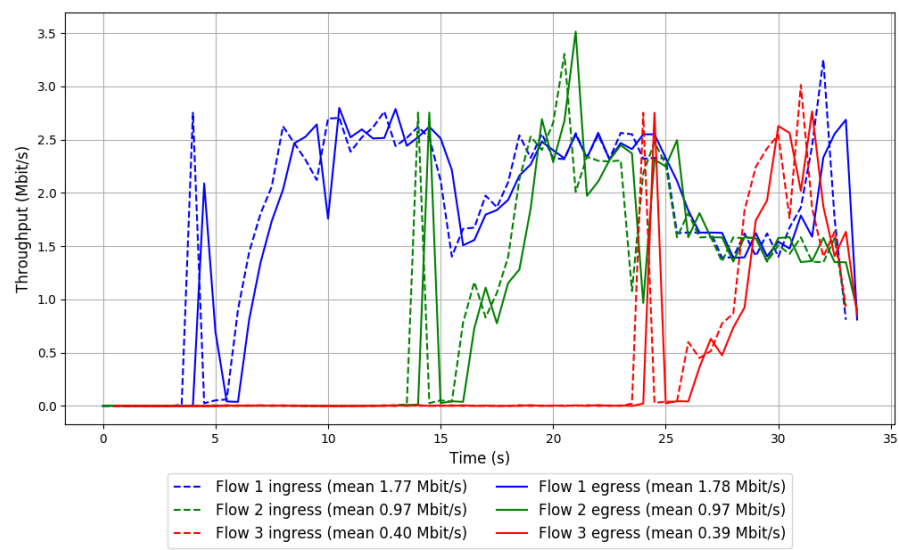


Run 8: Statistics of WebRTC media

Start at: 2018-07-18 11:51:39
End at: 2018-07-18 11:52:09
Local clock offset: -7.422 ms
Remote clock offset: 12.805 ms

Below is generated by plot.py at 2018-07-18 12:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 81.808 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 80.040 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 81.959 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 82.483 ms
Loss rate: 1.20%

Run 8: Report of WebRTC media — Data Link

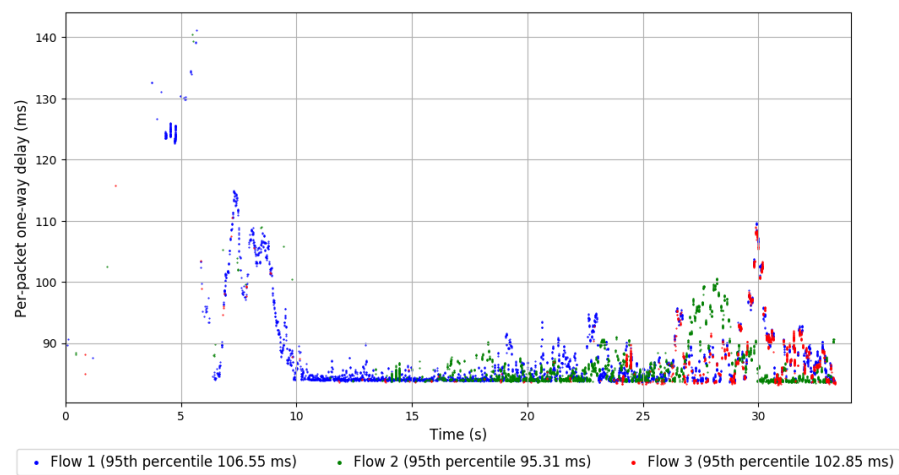
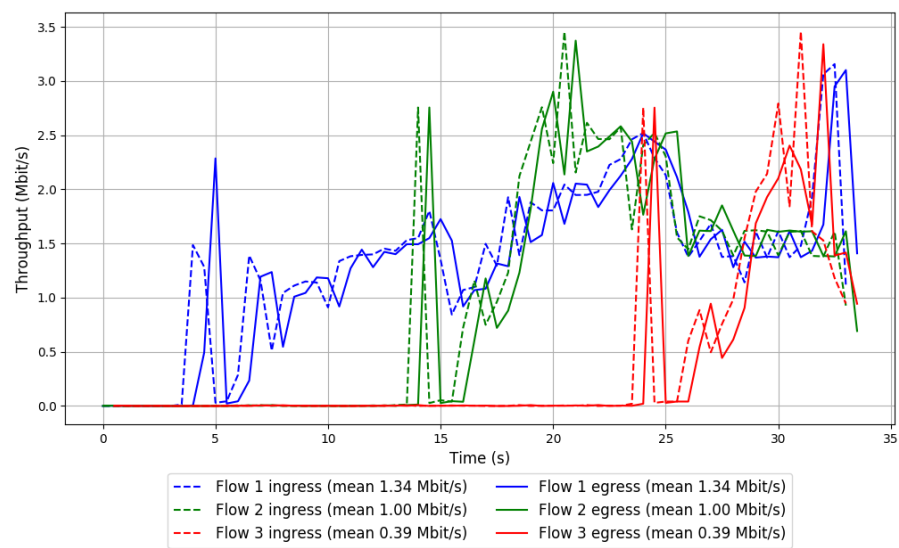


Run 9: Statistics of WebRTC media

Start at: 2018-07-18 12:13:01
End at: 2018-07-18 12:13:31
Local clock offset: -2.023 ms
Remote clock offset: 13.174 ms

Below is generated by plot.py at 2018-07-18 12:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 102.257 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 106.553 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 95.307 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 102.851 ms
Loss rate: 0.93%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 12:34:11

End at: 2018-07-18 12:34:41

Local clock offset: -5.277 ms

Remote clock offset: 8.364 ms

Below is generated by plot.py at 2018-07-18 12:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 82.125 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 80.191 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 82.408 ms

Loss rate: 0.65%

-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 80.805 ms

Loss rate: 1.74%

Run 10: Report of WebRTC media — Data Link

